

ECHO IRELAND

Journal of the
Irish Radio Transmitters Society
July/August 2004



Echo Ireland is normally published bi-monthly for members by the Irish Radio Transmitters Society, P.O. Box 462, Dublin 9. www.irts.ie

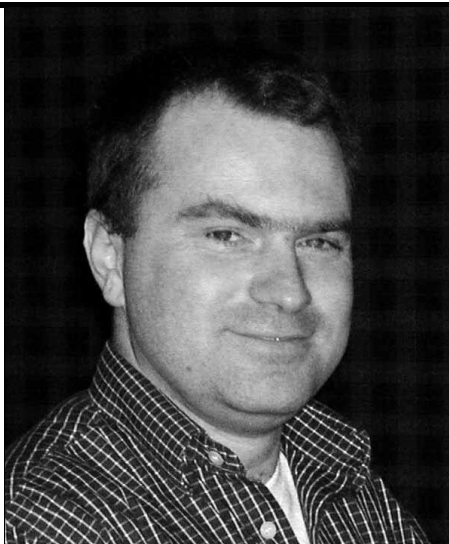
It is printed by Westside Press, Units 5/6, Greenhills Business Centre, Tallaght, Dublin 24.

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The views expressed in Echo Ireland do not necessarily represent the views of the Society or the Editor

**Deadline for next edition
September 30th**



John Barry EI8IR

John set a new EI record in the CQWW SSB Contest 2003 in the Single Operator All Band High Power section.



Jeremy Sheehan EI5GM

Jeremy set a new EI record in the CQWW SSB Contest 2003 in the Single Operator 40m High Power section.

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**Cork Rally
September 19th**

**Jamboree On The Air
October 16th/17th**

**Shannon Basin
Challenge
November 7th**

**Mayo Rally
November 21st**

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News Bulletins and Readers

Sunday				
Dublin	1045	144.275	SSB	Albert EI6AS
Dublin	1100	7.043	SSB	Colm EI3H, Sean EI7CD, Gerry EI8CC
Wicklow	1130	7.068	SSB (as Gaeilge)	Paddy EI7GK
Dublin	1145	145.525	FM	Sean EI5GH, Brendan EI8IB
Dublin	1200	3.650	SSB	As 1100
Tipperary	2030	145.450	FM	Tommy EI7IT, Gerry EI5HJ
Dublin	2130	145.525	FM	As 1145
Monday				
Cork	2000	145.750	FM	Con EI7DJB, Vincent EI7HN
Limerick	2000	145.725	FM	Brian EI9AL, Tony EI2AW
Louth	2000	145.500		Peter EI4HX, Thos EI2JD
Galway	2000	145.625		Aengus EI4ABB, Richard EI5GC
Tuesday				
Waterford	2130	145.650	FM	John EI8JA, Robbie EI8FZB

International Lighthouse Weekend AREN NVIS Experiments

In conjunction with the International Lighthouse Weekend members of the AREN Group conducted NVIS tests from Cromwell Point Lighthouse on Valentia Island and Ballinacourty Lighthouse near Dungarvan.

The callsigns EI1RENE was used at the Kerry station while EI0RENE was used in Dungarvan.

For the lighthouse activity, the calls EI0CPL and EI0BLH were used.

Limerick Radio Club were due to activate Tarbert Lighthouse and Hal Turley EI/KC8FS put Mizen Head on the air.

We will carry full reports on all activation in the next issue.

Silent Key

John Kraus, W8JK

Astronomer and antenna designer John Kraus, W8JK, has become a Silent Key.

According to a report on the ARRL website, Kraus died on July 18 at age 94.

A member of the inaugural "class" of the CQ Amateur Radio Hall of Fame, Kraus was world-renowned as a radio astronomer and the father of the "Big Ear" radio telescope at Ohio State University.

Among hams, he was perhaps best known as an antenna designer. His designs include the famous W8JK bi-directional wire beam as well as the helix and corner reflector antennas often used at UHF.

Silent Key

Martin Brandeaux KE6PZH/ FO5GJ

Martin Brandeaux died in Los Angeles on 1st July at the age of 80.

He was the holder of two callsigns - KE6PZH and FO5GJ.

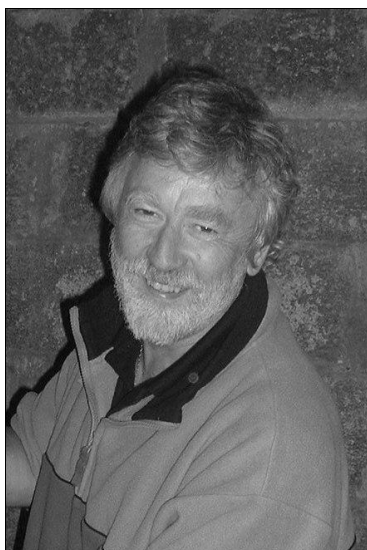
Martin Brandeaux was better known to generations of film-goers as Marlon Brando the two times Academy Award winning actor.



Silent Key EI7AYB

Andy MacMahon, B.Sc.I.T.,Dip.I.T.,AMIEI

The untimely passing, on July 29th, of Andy MacMahon, EI7AYB, has cast a sadness over West Cork. He worked most of his life at the Radar Station on Mt. Gabriel near Schull and lived in Lisheen, near Skibbereen, where he and his wife, Frances, reared their three children, Barry, Barbara and Christine. He was an enthusiastic radio ham, interesting and helpful at all times and did most of his transmitting via VHF and packet radio.



In recent years he established and maintained our packet-radio repeater for West Cork and it was my privilege to have contact with him via the packet mode on almost a daily basis.

Our contacts were exclusively "as gaeilge" as he had a great love of the native language. His last packet, written just the day before he died, gave me the joyful news that his second child, Barbara had just graduated, and I translate "Two of our three are now past the winning post and the third is hitting up for it, so our major expense is over and I look forward to more travel and better times!"

Ach ní mar a síltear a bítear. His passing certainly cast me into pensive mood. How uncertain and unpredictable is this journey of life! We must sail on towards the great Eternal Shore with faith and hope.

Andy had both faith and hope and I'm sure he's looking down on all his ham friends from a happy place where there's neither QRM or QSB.

God grant his sorrowing family the gift to realise that 'Twas for kindly souls like Andy He created Paradise.

Bernie, EI6AX

Silent Key Benny Bennett EI8DV

The death occurred on Sunday July 4th of Benny Bennett EI8DV.

Benny was a very active radio ham in the early eighties and was a regular on the Dublin Repeater.

He was active also on HF and was a regular on 80m SSB particularly into the small hours of the morning !!

He will be sadly missed by his wife Joan, son Brian, his sister and three brothers and his many many friends from all walks of life.

Ar dheis De go raibh a ainm

Peader Rosney EI2IF

Silent Key Ian Kyle GI8AYZ/MI0AYZ

Ian Kyle, GI8AYZ/MI0AYZ, RSGB President 1997-98, died peacefully at home on Friday 23 July after a long illness.

Ian was a long serving RSGB volunteer. Joining the society in 1967, he served as a regional representative, Zonal Council member, Chairman of the Membership Liaison Committee and long standing GB2RS news-reader and manager. In total Ian served for a period of ten years on the Council.

A quiet, but persuasive man, Ian will be remembered as the President who during his term in office presided over the RSGB change of policy not to support compulsory Morse testing and for starting the negotiations with the RA (now Ofcom), which led to the introduction of the Foundation licence.

Ian was a great supporter and friend of amateur radio in his native Northern Ireland and across the UK, and was well respected around the world.

Ian was an honorary member of the Irish Transmitters Society. He was very actively involved in the planning and organisation of the EI/GI Conventions which used to be held in the Ballymascanlon House Hotel near Dundalk and would be well known to many EI amateurs.

He will be sadly missed by all those who worked with him and operated with him on the bands.

To his XYL Jean and to his family we extend our deepest sympathy. May he rest in peace.



Silent Key Ernie Berkenheier EI4CY

The many friends of Ernie Berkenheier EI4CY will be sorry to learn of his death earlier this week. He had been ill but was in very good form at the AGM in Limerick earlier in the year where he renewed old friendships.

He had been living in Denmark but had returned to EI.

In his working life, Ernie was a member of the communications wing of the Air Corps working for many years at Case-ment Aerodrome. Ernie was very active on the radio up to a few years ago.

He was a regular attender at Bagott Street and was among the group that formed the City of Dublin Radio Club which ceased activities some years ago.

Ernie, with John EI8DE and Dermot EI9BT for many years came up on 3660 kHz each Sunday after the 12 o'clock news to provide an on air QSL service which lasted until John EI8DE's death.

To Ernie's wife, family and friends we extend our deepest sympathy. May he rest in peace.

Ar dheis De go raibh a anam dilis.

South Dublin Radio Club - Spring Challenge Winners

At a recent meeting of South Dublin Radio Club, the prizes for the club's annual Spring Challenge were presented.

This year, the winners were:

In the Restricted (CW only) section, the winner was Tom Kelly EI2AJ.

Tom is a QRP fan, but in view of the poor band conditions this year, he admitted that he increased his power to 30 watts while participating the Challenge in February.

The Open section winner was club member Mark EI6JK.

The Spring Challenge takes place every year during the month of February, the challenge being to work as much DX as possible during the month.



Mark EI6JK



Tom EI2AJ

Bayside Scouts Radio Group EI4BST/P CW Special Event Station.

On the occasion of the Howth Peninsula Summer Festival, a special event station was set up by the Bayside Scouts Radio Group on Sat. 17th and Sunday 18th July Operating CW only from The Martello Tower Howth Radio Museum between 10 a. m. and 6 p.m daily they used the callsign EI4BST/P.

All community organisations in Howth staged special activities over the week-end and on the Sunday, President McAleese attended the blessing of the Boats Ceremony.

Of special interest is a booklet being produced by the Howth Historical Society on the history of The Sutton Coastguard Station, QTH. of the late Joseph Campbell EI4B.

Included is a first hand account of the memories of his son, Brian Campbell, growing up on "an antenna farm" and the equipment used in the early days of amateur radio and some rare photographs.

The Martello Tower Vintage Radio Museum is now open to the public every day including week-ends 11 – 5 pm and curator Pat Herbert is always on hand to give demonstrations and the history of the exhibits on view.

Admission is €5.00 which is being donated to charity. Please support.

Cornwall Raynet Groups on standby following Boscastle floods

Cornwall Raynet Groups were put on standby by their Emergency Planning Unit on the evening of Monday, 16 August, following communications difficulties resulting from the massive flooding at Boscastle.

Eleven volunteers were available to proceed to the emergency, but were stood down later as the communications difficulties had been resolved.

New UHF Repeater.

The Duhallow Repeater Group have recently installed a UHF repeater on the Boggeragh Mountains near the town of Millstreet, Co. Cork.

The callsign of the repeater is EI3DRG and is approx 400m above sea level. The output freq is 430.925 MHz with the input on 438.525 MHz (+7.6 MHz offset) and a CTCSS tone of 103.5 Hz is required. The output power is 10 watts into a vertical collinear antenna. Reception reports welcomed by John EI3BF or Hugh EI2HI.

4 Metre Activity Nights
First Tuesday every month
70.2625 MHz FM 2000-2200

Canadian Licence changes proposed

Radio Amateurs of Canada (RAC) has proposed formally that Industry Canada (IC) eliminate Morse code as a ham radio testing requirement for operation in bands below 30 MHz in Canada.

RAC wants Industry Canada to continue to make Morse testing available to Canadian amateurs still wishing to have that qualification specified on their certificate, however. At the same time, the RAC wants IC to require applicants for the Basic examination to score at least 80 percent before permitting operation below 30 MHz.

Under the proposal, present Basic plus Morse holders would be considered as holders of the new Intermediate qualification. Basic holders who have not passed the Morse exam would continue to hold that class with existing operating privileges. Current Basic-without-Morse licensees who retake the Basic examination and obtain at least 80 percent would be upgraded to Intermediate.

RAC also recommends that the passing grade for the Basic and Advanced examinations be raised from 60 to 70 percent when the Morse requirement is dropped. Ultimately, RAC wants the passing grade to be upped to 75 percent for all examination elements.

Anyone holding both the Basic and Advanced qualifications would have HF privileges, and the Intermediate qualification or Basic plus Morse would become a prerequisite to obtaining the Advanced.

The RAC also wants IC to create a new entry-level qualification. RAC President Daniel Lamoureux, VE2KA, says Canadian amateurs can anticipate implementation of a first phase of the RAC recommendations by year's end. Details are available on the RAC Web site
<<http://www.rac.ca/downloads/morserec.pdf>>.

Practical Wireless Article

Tony EI5EM has an article published in July PW called "The 10 Cent Euro Paddle".

It describes the making of a twin iambic paddle using micro-switches

EL/EI5IF QRV in Monrovia, Liberia



Pat Molloy EI5IF is stationed in Monrovia as part of the Irish contingent attached to the UN force there. He is on the air from time to time as EL/EI5IF. The ARRL DXCC Desk has approved his operation in Liberia for DXCC credit.



John Hearne EI2FG on the 1296 MHz station at EI7M/P in the 2004 VHF/UHF Field Day on White Mountain

UK Regulator Proposes 27MHz Community Audio Distribution Systems

Ofcom, the UK Regulator, proposes to allow local religious and community organisations to operate within the UK Citizens' Band allocation.

To begin with, a small number of such organisations will be licensed to transmit services in a limited number of pilot areas.

These would be called Community Audio Distribution Systems (CADS). At present, some housebound religious congregation members, who wish to hear local religious community services, are unable to do so.

Ofcom is proposing to allow CADS users to share spectrum with the Citizens' Band radio service in a way that will provide the flexibility required to transmit religious and community service material whilst protecting other spectrum users from harmful interference.

Community Audio Distribution Systems would, in practice, constitute simple, short-range and inexpensive wireless public address systems.

The evidence of demand for such arrangements has arisen primarily from within religious communities and this is therefore where Ofcom expects the majority of use to arise.

However, other community groups could also use the arrangements for other similar purposes.

To test these plans, Ofcom is proposing a closely monitored year-long pilot scheme in the areas where interest has been most widespread and sustained: Northern Ireland and West Yorkshire.

Further information is available on the Ofcom website.

Outgoing QSL Bureau

Please mail your cards directly to
The Outgoing Bureau Manager

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Co. Cork.
ei8jk@amsat.org

Cards sent to PO Box 462 can be delayed

Swedish submarine on air

The Swedish submarine HMP Uppland, berthed in Stockholm, was on the air as SL8SUB from August 20 to August 22. On Monday 23 August HMP Uppland set sail and the station is active as SL8SUB/MM when not submerged during its journey. This is believed to be the first time that an operational submarine has been on the air on the amateur bands.



Reading the Mail

By

Michael McNamara, EI2CL

Welcome to compilation #31 of "Reading the Mail" – an account of IRTS incoming QSL Bureau activity from 30 May to 30 July 2004.

During the period small packets (less than 1 kg) came from AFVL, BFRR, FRR, G3TXF, HRS, IARC, JARL x3, OVSV, PY6-buro, R9X-buro, VK3-buro, WF5E, YL2UZ, and a new QSL buro in Tunisia. I was well occupied also with the larger parcels that came from MRASZ Hungary, NNRL and SRR Moscow.

Cards from the following were noticed and thought worthy of mention:

A61AR, A71MA, EO8141ZPN, ET3YU, LN8W, NU1AW, R16S, R17O, TY8G, UA70XWG, UN7E/RK9MZZ, W1AW, KH6CQH/W7, X5EBL, XU7ACW, YA1CQ, YU8/9X0A, 3W2US, 5T5CPS, 7O/OH2YY, 9L1JT, and 9X1A.

As well as cards from various American, Croatian, Japanese and Russian islands, for IOTA chasers the following caught my attention:

JF3BFS, KG4CM, NH2PW, PV0F, RF1P, RI1CA, RI1POD, S9LA, and 4W/K7BV.

Congratulations to all recipients. For those who like to get away from it all, I think the QSL design used by OE1AZU will appeal. To everyone else, all best wishes and lots of good DX.



Michael McNamara, EI2CL.



On The Air

With Anthony O'Rourke EI2HY

Anthony O'Rourke EI2HY,
13 Hazel Road,
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ei2hy@eircom.net

Welcome to another look at what's happened or is about to happen on the HF bands.

The Sun continues to throw a few surprises at us again, after a quiet enough June the middle of July onwards has produced severe radio blackouts, Geomagnetic Storms raging, Aurora and a host of other 'goodies' hi!

The end of July had some days of the K-index being at 8 and 9 for sustained three hour intervals producing very depressed HF conditions but keeping the VHF-ers happy with some Aurora openings on **6m** and **2m**.

The main cause of these storms, Sunspot Group 652 has now rotated out of view, but may return in 27 days hi!

It was two huge Coronal Mass Ejections (CME's) on Sunday the 25th and Tuesday the 27th of July which had the Planetary A-index soaring to 122 on the Sunday and 162 on the Tuesday and needless to say this had HF conditions totally wiped out that day but did lead to an opening on **6m** even though it seemed to be mostly to LA and SM.

All this activity meant slightly higher than average sunspot numbers and solar flux and on July 19th the daily Sunspot number was 176, the highest since November of last year. The Flux reading on July 20th was 175.2 which was the highest also since November 2003 but current forecasts still has the low point of this Cycle to be around December 2006 to January 2007.

Band Reports

Well, after many rumours and delays the much fabled Aves Island DX-pedition finally came on air on August the 1st as YV0D hit the airwaves from this tiny sandbar in the Caribbean on 14.195 MHz when Martii Lane made the first QSO late Sunday night, the 1st of August.

After arriving, a slight delay was experienced because everything had to be transported by very small zodiacs, and the bad news is that, at the time of writing, a tropical storm was going to hit the Island so the crew have been told to pack up the gear and go QRT on Wednesday the 4th. This meant only four days of operating which was nowhere near enough to satisfy the demand for this rarely activated DXCC Entity.

As usual conditions weren't the best starting off, but on the Bank Holiday Monday night they were a very big signal on 14.001 MHz CW and 14.190 MHz at the same time and given the fact that it's a very small sandbar of an Island that was some achievement hi!

Unfortunately, as with a lot of the 'once every ten years' activations, the pile-up was very unruly!

If you've listened to the debacle around 14.195 MHz lately involving a certain 'southern' European operator, well you can imagine what happened when he tried to hold court there on top of YV0D,

Amateur Radio's finest hour it certainly wasn't.

The team consists of nine Venezuelan operators led by YV1DIG and three other international operators, K6MYC, well known DXer Martti Lane OH2BH, and well known contester OHXX. Another op, K4UEE, had to return to the States.

QSL this one to KB6NAN.

In case you think you worked Aves Island before the 1st of August, 4M0A was a 'slim' hi!

The 'Mecca' for Island chasers of course came in the form of the IOTA Contest, held this year over the weekend of July 24/25.

The contest started promisingly enough with a brief opening on **10m** for the first hour, due to some 'enhanced' propagation from a CME but as that impacted more on the Ionosphere the absorption got more and more pronounced leaving **10m** dead and weak and with fluttering, almost auroral signals on **15m**, this meant that **20m** was quite congested with plenty of Europeans crammed in there hi!

Some nice IOTA numbers could be picked up if you listened in between the kilowatters hi!

Amongst the 'goodies' were: 3V8SM (AF-083), OD5RMK (AS-108), E20HHK/p (AS-125), BI5Z (AS-137), BI5D (AS-141), JI3DST/8 (AS-147), BW9W (AS-155), AT0BI (AS-169), in Europe were M8C (EU-011), a large group of Belgians were on EU-099, likewise with our own Saltees (EU-103) a group of combined Irish and Belgian ops

activated them including Sean, EI4GK, using the call EJ4F.

Also combining forces were South Dublin Radio Club with GEARS from Co Antrim to use EJ5E from the Aran Islands (EU-006) while a heavily 'armed' team made up of members of the East Cork Group, EI7M, and members of the Bristol Contest Group led an assault on Bere Island (EU-121) with the special call EJ2MT. Early reports indicate that a very impressive score was made but watch out for 'dark horse' John, EI8IR, who also ran an impressive QSO total and points from his home on the mainland (EU-115).

Other Europeans were RI1NU (EU-147), IT9SGC/p (EU-166), 7S5A (EU-177), UT4ZG/p (EU-179), UU5YL/p (EU-180) and LZ1BJ/p (EU-181).

Also heard at a very weak level though was well known Pacific Island hopper Mike, KM9D, who set up a temporary 'field day' style operation from New Caledonia (OC-032) to operate as FK/KM9D.

Staying with the Islands for a moment, we had a few new ones activated over the month of July.

RI0IMA was a new one (AS-170) while a well known Island activator gave us a new one from Barberen Island, part of the previously unnumbered Sri Lanka's Coastal Islands and now AS-171 with the call 4S7PAG

Last up was another trip to Asiatic Russia with RI0CM giving out AS-172, Ayan Island. This team were actually stranded on the Island after making some 1,300 QSO's and were starting to run short on food and water before finally getting off the Island.

Moving onto safer and warmer climes Africa was once again awash with activity.

K4YL, Dave, is still QRV from Lesotho as 7P8DA and EL2DX shows up on CW every so often with cards going to K8SJP.

5C5MC got the prefix hunters worked up by coming on from Morocco, home call is CN8YZ.

Husband and wife team Josep, EA3BT, and Nuria were on from the Gambia as C56BT and C56WL towards the end of July and also managed to squeeze in a

(Continued on page 7)

(Continued from page 6)

side trip to Bijol Island (AF-060) with the call C50I during the morning of July 30th.

Just started up now from Uganda is 5X2A, who is Jay, K4ZLE, QRV until Aug 21st.

Unfortunately one regular DX station will no longer be heard on as TU2MA, Toure, who was very active from the Ivory Coast became a 'silent key' on July 15th.

In Asia an unusual prefix caused some head scratching as Henri, F6EAM, came on from Kabul in Afghanistan sporting T6RF as the call sign. I also thought this just some special event call in France, wondered why the pile-ups were a bit large alright hi!

Mohamed, A92GR, seems to prefer **20m** between 20.00 and 22.00UTC most evenings.

BO0D was on from AS-113 during the evening of July 14th and quite active on PSK-31 is Sures, 9N1HA, in Nepal, QSL him to N5VL.

Also caught on the keyboard, but this time on RTTY was 4S7AB, op Kamal, also worked was V8FDX from Brunei.

The usual run of Special Event stations were scattered around Europe.

Amateurs in Montenegro have permission to use the number '100' added to their calls during the month of August to mark the first commercial Marconi contact between Bari, Italy, and Bar, Montenegro on August 3rd, 1904.

The official commemorative station is 4N6100BB.

With the Olympic Games now about the commence the frenzy to work the various special event calls intensifies as each of the SX*A came on in rotation, also heard were visiting hams like Rolf, DL6ZFG, who was using J42004ZFG from Crete (EU-015) after August 1st.

The 26th of July had us experiencing the 'benefits' of enhanced propagation on the 'magic band' due to the massive CME's (see above) and while HF bands were virtually wiped out the saturated Ionosphere managed to reflect the following to a few lucky ops here in Europe: 9Y4AT, FG5FR, FG5GP, KP4AAQ, KP4EIT and WP4NEG.

Also on **6m** I was happy enough to catch 7X0AD on the morning of June 25th for an all-time new one on six.

Other EI's that I know who worked Algeria on six include EI3EBB, EI5FK and EI7GL, hopefully other EI's caught

this one and it would be interesting to find out who had the first EI/7X QSO hi!

425DXNews 2004 Most Wanted European Entities Survey

Prefix	Country	% Total
SY	Mount Athos	68
1A0	Sov. Mil. Order of Malta	64
R1FJ	Franz Josef Land	44
HV	Vatican	39
R1MV	Malyj Vysotskij I.	30
JX	Jan Mayen	28
C3	Andorra	21
OJ0	Market Reef	18
3A	Monaco	17
4U	ITU ITU HQ	13
ZB2	Gibraltar	12
OY	Faroe Is.	12
SV5	Dodecanese	12
ZA	Albania	11
UA2	Kaliningrad	10
T7	San Marino	9
JW	Svalbard	9
HB0	Liechtenstein	8
Z3	Macedonia	8
GJ	Jersey	7
ER	Moldovia	7
GD	Isle of Man	7
SV9	Crete	7
TK	Corsica	7
TF	Iceland	7
GU	Guernsey	6
IS	Sardinia	5
OH0	Aland Is.	4

Regular contributor Chuck, EI4IS, once more sent in a welcome log extract for the month of July and also noticed the poor conditions, a lot of nice IOTA contacts from Chuck this time:

7S3I (EU-176), FO5RJ (OC-046), FP/KB9LIE (NA-032) (YL op), ND7K (NA-137), OJ0U (EU-053), RA1QQ/1 (EU-082), RV3ACA/0 (AS-018), RV3ACA/0 (AS-149) and finally RZ0ZWA/P (AS-095).

Thanks to Chuck for providing an extract.

The '2HY log is, as usual, very sparse, 4S7PAG (AS-171), 5W0TR (RTTY), AT0BI (AS-169), HI3/ON4QX (RTTY), and KD6WW/VY0 (NA-130).

Up and Coming

The big one to look forward to in the next couple of weeks will be the previously postponed trip to Kure Atoll (OC-020) which will now take place from

mid to late October. Plans to take part in the CW WW SSB Contest have been changed to allow the team to work as many QSO's as possible and they plan to leave before the Contest.

The last serious activity from Kure was back in 1997 when K7K took place and since then Kure has climbed to number 17 in the Worlds 'most wanted'

DXCC's and the plan this trip is to concentrate on Europe. Since the beam headings from EI are 351 Degrees Short Path and 171 Degrees Long Path any Geomagnetic Storms like the ones that we had at the end of July will totally wipe out any openings hi!

But since the team of 15 operators will be QRV for 11 days or so there's a good chance of catching them on some bands.

Depending on when you receive this, some of the following might still be QRV for the month of August:

Bill, W4DX, will be back on Guantanamo Bay as KG4DX between Aug 10-14, a close neighbour will be Jan, K4QD, will be back in Haiti as part of a Christian mission trip with the call HH4/K4QD during Aug 16-27.

Staying local in Europe will be Goran, SM0CMH, who'll be using the call SV5/SM8C during his stay on Kalymnos (EU-001) from Aug 7 to Sep 4, also staying local will be Geza, HA4XG, who'll be operating from Liechtenstein as HB0/HA4XG with a timeframe of Aug 28 to Sep 4.

Heading northwards though will be German ops DL1RTL and DL2RMC going to the Faeroe Islands (EU-018) as OY/home calls from Aug 30 to Sep 10.

Moving very close to home now, David, G4RQI, and Nigel, 2E0NJW, will be on the rare St. Kilda's IOTA group EU-059 between Aug 21-26 while members of the Wrexham and District ARS in England will head to Scarlett Point on the Isle of Man (EU-116) from Sep 1-8 using the calls GB4IOM and GB4SPT.

Fellow English op John, G4IRN, will be heading to the southern part of Africa to be QRV as 7P8RN from Lesotho between Sep 3-12, this will primarily be a CW operation but some SSB may be possible.

IOTA hunters can look forward to another new one getting activated when a thirteen man team of Indian ops will head to Pamban Island, part of the unnumbered Tamil Nadu State group between Aug 23-31 and call sign will be AT0RI.

(Continued on page 8)

Also in September, a large group of JA's are heading back to Sri Lanka (4S7) between Sep 18-23, but for us IOTA chasers a chance to work the most wanted IOTA group in Oceania will happen when Italian ops Claudio, I1SNW, Alfio, IT9EJW, and Nando, IT9YRE, head back to French Polynesia (FO) to make a second attempt to activate Hereheretue, part of the Duke of Gloucester Islands (OC-052).

October has plenty of ops heading to far-flung corners to take part in the CQ WW SSB Contest:

Jaak, ES1FB, heads back yet again to Cambodia as XU7ACE between Oct 15 to Nov 5 and also back on the major DX-pedition trail are well seasoned travellers DK1BT, DL4WK, DL7DF, DL7KL, DL7UFR and sole Polish op SP3DOI who head to Cameroon during Oct 6-20 with planned calls of TJ3SP and TJ3FR.

A few members of the "Clipperton DX Club" will be heading to Bhutan from Oct 24 to Nov 11, including the CQ WW, to set up a new radio club in Jakar, Central Bhutan. Gerard, F2VX, Alain, F5LMJ, Jean-Louis, F9DX, and Vincent, G0LMX plan to operate first from the 'ham centre' in Thimphu before moving onto Jakar, QSL's go to F9DK.

Heading back to the Caribbean a large group of US hams will be camped out on Dominica (NA-101) from Oct 26 to Nov 2 using the contest call J75J during the CQ WW, outside the contest listen out for the following individual calls, home calls are in brackets: Bill, J75WX (W4WX), Clarence, J79AA (W9AAZ), Larry, J79LR (W1LR), Cory, J79CM (N1WON), and finally Vance, J79VL (N5VL).

Finally the postponed trip to Peter the First (3Y0) seems to be gaining momentum again as plans and a schedule have been released, members will meet in Punta Arenas in Chile on January 12th, leave on the 14th, arrive at Peter 1 Jan 20/21, operations to last Jan 21 to Feb 4th with the call sign 3Y0X to be used.

That's it for this issue, my thanks to Chuck, EI4IS, and the Daily DX.

Until next issue, keep listening!
73 de EI2HY.

Project Star Reach



3B9C QSLing Status

All QSL requests, both direct and via the form on our Web page, have been dealt with as of end-July. Those with sufficient postage have been mailed direct, by air or surface as appropriate. Others, including the e-requests, will be sent through the bureau system. Over 48,000 QSOs have been confirmed so far, of which almost 37,000 were direct. Very few incoming cards have been received via the bureau at this stage. We have made arrangements with the Mauritius bureau that any cards inadvertently sent there, will be forwarded to us in due course to be answered.

Turning round over 48,000 QSL requests in just over 3 months has only been possible by using a team of QSL managers, managed through an Internet-based server running StarQSL, a program developed specifically for the purpose by John Linford G3WGV. We expect to remain on top of QSLing, with fast turnaround of requests. If you are still waiting for a direct card, please allow a further two weeks before reapplying, to allow for possible delays in the postal system.

As promised, the 3B9C log will be uploaded to Logbook of the World in good time for the September DXCC update deadline.

A reminder of the QSL route. Direct cards should be sent to FSDXA, PO Box 73, Church Stretton, SY6 6WF, UK. Bureau cards go via the RSGB bureau. There is also a form on the Web page for requesting bureau cards.

Nevada Rodrigues Trophies

A number of people have been asking about the results of the Nevada Rodrigues Trophies. We have received lots of applications, about 400 to date, which are currently being checked. We expect to announce winners in the next four to six weeks. Watch our Web site for the full list in due course: www.fsdxa.com/3b9c

3B9C Video

We have been delighted at the level of interest shown in our video, which is available on tape or DVD. It has a 45 minute presentation of 3B9C, along with a bonus 39 minute video of our previous D68C Comoros expedition. Copies can be ordered via the internet at: www.fsdxa.com/3b9c/video.html

You can pay by credit card on this site. Alternatively, if you are in the US or the UK we can accept cheques on US or UK banks.

If you are resident in the UK

We can accept sterling cheques (drawn on a UK bank account) for the video. Please send your cheque to:

John Linford
Pennine View
Sleagill
Cumbria CA10 3HD

Please make cheques payable to "FSDXA" and write "3B9C video" on the back of the cheque. The cost of a UK PAL video (both the 3B9C and D68C videos on one tape), including postage, is £14.95

If you are resident in the US

Similarly we can accept payment by US check in US dollars. For a US NTSC video of 3B9C and D68C, please send your check for \$32.95 to Wes Lamboley. In this case make cheques payable to "W Lamboley" and write "3B9C video" on the reverse side. US cheques should be sent to: Wesley R Lamboley, W3WL 690 Hunterhill Way ROSWELL GA 30075, USA

Don Field G3XTT, NK1G
(g3xtt@lineone.net) 1 August 2004
(3B9C Publicity Officer)

Irish Radio Transmitters Society

Radio News Service

Input for the Radio News Bulletins should be sent to:

Mark Wall EI7IS

22 Sunshine Crescent, Waterford.

087-6302026

cyberis@vodafone.ie or news@irts.ie

Irish Radio Transmitters Society Video Library

The Society maintain a video library for the benefit of members.

The titles listed below are available from

Jim Ryan EI3DP,
11 Knockgriffin, Midleton, Co. Cork.
A charge of €2.00 is made for postage.

Amateur Radio for beginners (RSGB)

Fastnet Force 7

Kippure

Howland Island DXpedition

The New World of Amateur Radio – ARRL

Amateur TV in Australia – VK5KG

Seven Days in Space – NASA

Amateur TV – RSGB

DATA trip to Dayton 1990

IRTS Anniversary Lunch

Dublin Texas W5IMF

Introduction to Ham Radio

Galway Radio Club 1984

Galway Radio Club 1985

Pitcairn Islands

Getting started in Packet Radio.
CQ Mag.

Radio Team Finland PJ9W- 1990
CQWW SSB Contest

CQ Field Day

Getting Started in Amateur Satellites

Campbell Island 1999 – ZL9CI

WRTC 2000 in Slovenia

Kinsale Lighthouse during International Lighthouse Weekend 2001

Donations of videos are always very welcome

EJ5E Inisheer, Aran Islands IOTA Contest 2004

**South Dublin Radio Club & Glengormley Electronics
Amateur Radio Society**



Members of the South Dublin Radio Club once again teamed up with their twinned club members from the Glengormley Electronics Amateur Radio Society (helped by Brendan EI0CZ) to activate a west coast island in the IOTA Contest.

Nineteen bodies made the trip from Rossaveel to Inisheer on the Thursday afternoon and helped by the local tractor owner, got all the gear quickly moved to the school, their shack for the weekend.

The island hostel was completely taken over by the group with a few members using local B & B establishments. All the catering requirements were brought from the mainland and chef Dave 2I0NIR keep the troops well fed and watered for the weekend.

Two complete stations were set up using two tribanders, a bobtail curtain for 40m (by Norbert G3ZEV) and dipoles for 80m.

The rigs were a TS850 and IC 756PRO and two laptops were networked using Writelog logging software.

Band conditions were considered poor but lots of G stations were worked on 40m. The QSO total was around 1150 with 250 multipliers worked. Much of the activity was on CW, ably operated by Brendan EI0CZ and Davy GI0OBO. This group are improving with every outing and are already looking forward to next year.

The team worked very well and all the gear was packed up by Sunday night and was followed by a great session in the local pub.

6m and 2m stations were set up at the hostel and some good DX was worked before departure on the Monday.



The team members were:
Paul EI2GSB, Kyle EI2JO, Tom EI7HT,
Tony EI7JN, Tony EI9FIB, Nicky EI9JF,
Mark EI6JK, Paul Daniel EI9FHB,
Matthew EI9FJB, Brendan EI0CZ, Jim
EI1492, Dave 2I0NIR, Norbert G3ZEV,
Alan GI0PCU, Davy GI3OBO, Bill
GI6EJW, John MI0JFC, Bill MI0XMN

Lots of pictures from the event are available on the SDR website:
www.qsl.net/ei2sdr

The Story of EJ2MT - IOTA Contest 2004

A Joint Venture between the East Cork and Bristol Groups on Bere Island

by Alan Hydes, G3XSV

At the start of 2004 the Bristol Contest Group (G6YB) began thinking about how to make an impact on the IOTA contest results. The location used in past years on the Isle of Wight was good, but the G prefix is not rare enough and the island is generally shared with other stations. So Neil EI3JE floated the idea of putting together a joint expedition to Bere Island with the East Cork Radio Group (EI7M).

The association between the Bristol and East Cork groups goes back a few years. We joined up in 2001 for the CQ WW SSB contest in 2001, when EI7M broke the Irish CQ WW record that had stood for 21 years.

In 2002 some of the G6YB group operated in the IOTA Contest with EI7M near Cork, while others from the Bristol group were competing as PJ2Y from Curaçao.

EI7M have operated from Bere Island in the past, so it seemed a good opportunity to link up again to put on a competitive joint entry, if a suitable site could be found.

Plans started to gel in March when Jim EI8GS and Alan G3XSV took a trip to Bere Island to see what could be done. They were told that one of the Martello Towers on the Island had recently been restored and that we might be able to use it for the contest weekend.

This turned out to be a dream radio site... at the top of a hill with excellent take-off in all directions.

Accommodation turned out to be no problem. Anne who runs Admirals House was wonderful throughout the planning and during our stay. We were going to be a large party, so we were able to take the whole hostel for the week.

Travel to Ireland for the Bristol group was arranged with Stena Line, who kindly offered to support our expedition with fare discounts. Mobile towers would be brought across for the event as well as those available from the East Cork group.

Coordination between the groups was great and very much helped by the use of an email reflector.

Over the course of the next 3 months and another trip to the island by Jim and Neil (EI3JE) the equipment lists, operating plans, logistics, etc. were put together and shared.



We managed to obtain the call EJ2MT, as the event would take place at the Martello Tower.

Bringing it all together

As an "expedition" station we had to take everything with us from the mainland of Ireland and from England. There are no longer any radio amateurs on the island to give us help, so that part of the rules was easy to comply with. We wanted to get the antennas up to a reasonable height so we planned to bring mobile towers with us.



The Martello Tower was very cosy over night. It was the first time most of us had operated in front of a log fire, but it did get a bit warm at times as you can see from this photo.

A convoy left Bristol on the Tuesday before the contest with three 4 x 4s, 10 people, 2 towers, and a van stuffed with equipment. We met up with the East Cork group on the way across the south coast. The enlarged convoy, with another tower and trailer in tow, then made it's way over to Bantry Bay.



Back Row: Chris G0HFX, Wilf M0WLF, Alan G3XSV, Cormac EI4HQ, Stuart G0KDS, Geoff G4FKA, Neil EI3JE/M0AXF, Roger G4WBV, Steve EI9HC, Mannix EI5HB
Front Row: Robin G3TKF, Jerry EI6BT, Matt M0MAT, Jim EI8GS, Colin G3YHV, Pete G4CLA, Billy EI7FJ, Andy M1EBV

Luckily the ferry to Bere Island was just big enough to fit two towers on board with towing vehicles. Even so, it took three trips to get all the vehicles and trailers across.

Once on the island it was a question of hauling everything to the top of the hill. The 4 x 4s were up to the task, as well as hauling the equipment wagon up the steep slope.

The next two days were spent setting everything up and testing the equipment.

(Continued on page 11)



As our towers and antennas were visible from much of the Island it wasn't long before word spread of what was going on. During our stay we had lots of visitors to the station showing interest in how we were doing. One of the islanders was even kind enough to bring some beer up for us.

The Contest

As you can imagine, with such a take-off we had no difficulty being heard. At times the pile-up was just too heavy to pick out full calls.

Virtually all the contacts on the 10m and 15m were made in the first 4 hours of the contest starting on 10m with a strong E's opening to eastern and central Europe. This lasted for 40 minutes when we made over 100 QSOs, but then suddenly disappeared like someone had thrown a switch.

15m took over for a few more hours before it too died for the rest of the contest. It seems there was an aurora, which put paid to any chance of working as many Japanese stations as we'd hoped for. Some DX from further south in the Pacific (Indonesia, Singapore, etc.) was possible however.

The most productive band for points was 40m which produced a lot of activity from G and northern Europe. Our multiplier station operators were eagerly hunting for island multipliers the whole 24 hours assisted by the packet cluster spots.

Having vertical antennas on 40m and 80m as well as the beam and horizontal dipoles was valuable.

In many instances we could hear stations on one antenna and not the other. The verticals were particularly effective in the middle of the night picking up several North American island multipliers.

Radio conditions on Sunday morning were very poor so it was quite difficult to find new islands by that time, particularly on the HF bands. However, at the end everyone felt satisfied that we had done well.

All the radio equipment operated faultlessly. With the exception of a couple of computer crashes, even the PC network behaved itself thanks to some good work by Matt M0MAT who had thoroughly screened all cables and tested everything under RF conditions before the contest.

We used Writelog for logging, so all PCs synchronized their logs. If one goes down it will pick up anything it missed when it comes back online. It also allows us to look at the cluster and frequency of the other station from all PCs.

Unfortunately Writelog doesn't do such a good job of allocating serial numbers between the run and multiplier station.

Antennas: 3 x Tri-banders at 100ft, 80ft and 70ft,
40m beam at 70ft, 80m dipole, and verticals for 80m and 40m.
Rigs: 2 x FT1000 + TL922 linear amps

At the time of going to press our final score had yet to be calculated, but we made well over 2500 contacts, and 400 island multipliers. Our score would have been sufficient to put us around third or fourth place in last year's contest.

But there were some very competitive stations on this year despite the poor radio conditions, so *stay tuned*.

Would we do it again? You bet we would!

<http://ej2mt.g6yb.com/>

A Brief History of Bere Island

Population

The population of Bere Island has declined from a height of around 2,000 around the 1840's to only around 200 in the 1990's. In comparison to other off-shore islands however, it is doing well in holding its own around the 200 mark for the last decade and a half. The drastic population decline can be attributed to the Famine, and it didn't rise again until major work started on the forts in 1989. People from Bere Island emigrated all over the world, to places such as America, Australia, New Zealand, and Canada.

The Irish Language

Unlike many of the offshore islands of Ireland, English is the spoken language. "Irish ceased to be the spoken language of the homes of Bere Island between 1880 and 1885". This was probably because it came to be seen as a sign of backwardness if a person wasn't able to speak in English. The richness of the language as it used to be spoken on Bere Island, can be seen in the place names of the island, a great many of which still are in Irish.

The O'Sullivan Clan

Bere island was the property of the O'Sullivan Beare Clan around the early 14th Century. This remained the case until during Cromwell's reign, it was decided that the O'Sullivans weren't to be trusted, and in spite of their loyalty to the crown, the island was taken off him. "This cast the islanders in the role of tenants for the next 300 years until the 1950s" (Ted Sullivan, Bere Island, a short history, 1992).

Military Involvement

Bere Island has a long military past, which even continues to the present day with the Irish army using the island for training purposes. It was only on the 26th of September of 1938 that Bere Island was handed back to the Irish government, even though Ireland received its independence in 1921, when the Irish Free State was founded.

In 1796, there was an attempted invasion of Ireland, through Bantry bay, with forces led by a General Hinoche, third in command to Napoleon Bonaparte. The attempt failed due to bad weather conditions, but it led to a rush to defend the bay against further invasions, resulting to the construction of four Martello Towers on the island, two of which still remain intact. A more modern phase of fortification began on Bere Island with a compulsory purchase order on the 17th March, 1898, after which tenants were cleared from the East end of the island. The reason for these fortifications was to protect British Dreadnoughts when they were in port, as they needed 48 hours of 'elaborate protection while routine maintenance had to be carried out' and while they got up sufficient steam in their boilers. This phase of construction led to the construction of seven gun batteries. The fortifications are still in existence today but are in a state of disrepair and not safe to enter.

More information on the Island on www.bereisland.net

EJ4F - Little Saltee Island - IOTA Contest 2004

By Sean EI4GK

It's eleven years since Declan EI9HQ and I activated Inishmore in the Aran Islands during the first IOTA Contest. Since then, accompanied by different team members, and from varying locations, we have participated in all but two of the subsequent IOTA contests. During those years Joe EI7GY became the third core member of the team.

We have seen the character of the Contest change from one where a relatively small number of enthusiasts travelled to nearby islands to participate using simple equipment to the current situation where the bands during the contest are dominated by large well equipped and heavily funded stations. The IOTA contest has also now entered the arena of the major contests with in excess of 1000 entries annually.



The first question to be answered by prospective participants in any IOTA Contest is "where will we go?" The answer to that question, in EI at any rate, can be either simple or difficult. Being on an island already means one can work from home and use EU-115. That's the simple answer. A decision to use an off-shore island, involves the adventurous in various levels of difficulty. Some islands like Bere or Arranmore boast car ferries and it's just a question of drive on/drive off and you are there. Where an island has a passenger ferry only, life becomes a lot more difficult. Now the adventurers have to drive to the mainland port, unload all their equipment, load it on the ferry, unload it on the island and then find a way to transport it all to the contest site. If the island has no passenger ferry, it becomes necessary to find a boatman willing to undertake the transportation operation at a reasonable cost. That's the really difficult option!

Then there is the question of ownership. Is the island privately owned and is the



The group just before the contest. Back row: Ian EI7CX, Kristof ON6NN, Jan EI9JN, Jurgén ON5MF Seated: Declan EI9HQ, Sean EI4GK, Joe EI7GY

owner willing to permit a group of radio amateurs to trample all over his property for several days. What about accommodation? Are there hotels, guest houses or B and Bs available or must this operation be conducted, in whole or part, in tents. What about the IOTA reference? Will this operation use the general Irish offshore IOTA reference of EU-121 or will it aspire to the unique references that apply only to the Aran, Blasket and Saltee Islands.

Declan, Joe and I had on many occasions discussed these questions and pondered the pros and cons associated with the various answers. We had always overcome the problems but not without experiencing various degrees of hardship.

In the months before this year's contest, I noticed an article in a local newspaper about the owner of the Little Saltee Island and at the same time recalled a conversation some years ago with Ian, EI7CX, who had spoken about the possibility of operating from that island. Yes, Ian agreed, when I rang him, he did know the owner and he felt that permission to use the island would be forthcoming. In return, Ian would like to join the team. With that deal done, Ian departed to talk to the island's owner. On his return he brought strange news: the owner had already granted permission to two Belgian amateurs to operate from the island in IOTA 2004. He suggested that we contact the Belgians and if they agreed we could share the island. Following an email to Belgium, it was agreed that the two groups would join

forces and work together on a single station. Around the same time an invitation was issued to Jan SP9JZT/EI9JN to join the group, thus completing the team of seven - Declan EI9HQ, Joe EI7GY, Ian EI7CX, Jan SP9JZT/EI9JN, Kristof ON6NN, Jurgén ON5MF and Sean EI4GK.

Then it was time for a recce. Joe and I took a day trip to Kilmore Quay and persuaded the local boatman to drop us on the Little Saltee for the afternoon. Only then did we realise the magnitude of the



Hot work for Joe

task we were facing. The island has no pier, no beach or landing stage. It did have a very rocky inlet where athletic adventurers could land with the help of an experienced boatman. Landing the mountain of gear required to run a contest station together with tents, food and water for seven people was going to be a Herculean task.

The island has one habitable building, no food or water, a small herd of Kerry cattle, a herd of sheep, a couple of deer, a large rabbit population and thousands of sea birds. There are no trees and

much of the vegetation consists of a waist high clinging fern that seriously inhibits movement of any kind.

We did identify a number of open grassy spaces that were suitable for our purpose and we eventually decided to locate the station on one of those spaces on the south side of the island. To reach that site necessitated the transportation of all our gear a distance of half a mile over very rough ground. What matter, we decided, won't there be seven of us? Our final major decision was that this of necessity would have to be a low-power entry in the contest as there was no possibility of landing and transporting everything needed to run a high-power station.

The reality confirmed all our fears. The boat leaving Kilmore Quay on the Thursday before the contest was weighted down with the huge amount of gear we needed (or thought we needed). Landing was a nightmare.

Everything had to be transferred to a dinghy to facilitate the final portion of the journey. The rocks on the shore were slippery and dangerous and there was always the chance that some valuable piece of equipment would end up in the water. The owner of the island was on hand to greet us and was kind enough to loan us his wheelbarrow for the duration. Unfortunately, he was unable to



Jan really liked this wheelbarrow

remain on the island with us but he had been, and continues to be, very supportive of the whole operation.

Friday was spent moving equipment, erecting antennas and tents. Saturday morning was given over to final preparations and strategic discussions. Saturday afternoon brought the realisation that the bands were in terrible condition and that every QSO would have to be fought for.

A decision was quickly made that SSB had no hope in this contest and that we

would have to switch our emphasis to CW. In the event we made three times as many contacts on CW as on SSB. This put huge pressure on our CW operators, Joe and Jan. Following two beautiful sunny days, the



Kristoff is searching for multipliers

weather turned sour on Saturday and the wind whipping in from the south-west rattled the tents in an ominous way. As the contest went into its closing hours we began to worry about returning to the mainland. We already knew that while in good weather a landing on the Little Saltee was difficult, in bad weather it was impossible.

Three members of our party were scheduled to leave the island on Sunday evening and as we waited for the boat we speculated on what constituted "rough weather".

In the event Declan, Ian and Jan did get away, leaving the remaining members of the team to continue the process of dropping the antennas, packing the equipment and transporting everything across the island to the landing area. The tents continued to rattle on Sunday night and the sea remained angry on Monday morning.

However, thanks to the efforts of a skilled boatman we reached Kilmore Quay safely, although tired and very wet!

In retrospect, it was a very successful IOTA operation. We worked very well together as an international group; we overcame huge obstacles in even getting the station on the air; we ended up with a reasonable score despite the very poor conditions and we succeeded in activating what was for us a new island.

There remains one outstanding question –

WHERE WILL WE GO NEXT YEAR?

IOTA Contest

Besides the three Dxpeditions reported on elsewhere in this issue, there were also other EI entries in the IOTA Contest.

Another entrant in the multi-operator section was EI2JD, helped by Mark EI9IB and Oleg EI2JK.

They operated from the EI2JD QTH at Clogherhead in Co. Louth.

Other EI entries announced on the IOTA website are:

EI4BZ SO Mixed HP 12 hr,
EI4CF SO CW LP 12 hr,
EI7CC SO SSB LP 12 hr,
EI7IQ SO SSB LP 24 hr.
EI8IR SO SSB HP 24 hr.

There are still some stations who have not submitted logs at the time of writing.

EME Contest Rule Changes

The ARRL Programs and Services Committee has approved some changes to the ARRL International EME Competition.

The object of the event is to make two-way communication via the earth-moon-earth path on any authorized amateur frequency above 50 MHz.

It now will span three weekends, with the first and third weekends devoted to the lower VHF/UHF bands, 50-1296 MHz, while the second weekend will be for 2304 MHz and higher.

For 2004, October 9-10 will be 50-1296 MHz; October 30-31 will be 2304 MHz and up, and December 4-5 will again be 50-1296 MHz.

Multipliers for stations within the US are now states; in Canada, multipliers are provinces and territories.

There also are new entry categories starting with this fall's event:

Single operator, multiband 50-1296; single operator, multiband 2304 and above;

multioperator, multiband 50-1296; and multioperator, multiband 2304 and above.

In addition, US and Canadian stations no longer have to send the portable designator if operating from a different call sign district.

The new rules have been posted on the ARRL Contest Branch Rules page <<http://www.arrl.org/contests/rules/2004/eme.html>>.

Irish Experimental Amateur Radio Stations

February 1960

EI2A	S.C. MacNamee, 4 The Square, An Uaimh, Co. Meath	EI3D	G. Whale, Colwyn, Lucan Road, Chapelizod, Co. Dublin	EI4I	F. Beal, 11 West View, Waterville, Co. Kerry.
EI2AB	D. O'Neill, St. Joseph's Chalet, Kells	EI3H	C.J. Ardif, Baily Cottage, Baily, Dublin.	EI4J	F. Halpin, Turret House, Davitt Road, Crumlin, Dublin.
EI2AC	H. Spencer, Main Street, Roscrea, Co. Tipperary.	EI3I	J.F. Brezina, 33 Clonmore Road, Mt. Merrion, Dublin.	EI4L	J. Scanlon, 2 Johnsgate Street, Wexford.
EI2AD	R. Savage, Tory Island, Letterkenny, Co. Donegal	EI3J	Rev. Fr. M. Kelly, St. Patrick's Presbytery, Lower Road, Cork.	EI4M	G.M. Fitzgerald, 26 Terenure Road West, Dublin.
EI2AF	D.K. Donnelly, 68 Morehampton Road, Donnybrook, Dublin.	EI3K	E.J. Larkin, 3 Line Tce., Hill Street, Dundalk.	EI4N	J.J. Malone, 136 Mount Prospect Avenue, Clontarf, Dublin.
EI2AG	J.R. Murphy, 235 Marian Park, Drogheda, Co. Louth.	EI3L	Comdt. A. C. Woods, 17 Butterfield Crescent, Rathfarnham, Dublin.	EI4Q	Rev. Fr. J. A. Stone, 39 Booters- town Ave., Blackrock, Co. Dublin.
EI2B	H. L. Wilson, The Limes, Plunkett Avenue, Foxrock, Co. Dublin.	EI3P	W.D. Watts, 1 Mount Mapas Villas, Kill Avenue, Dunlaoghaire	EI4R	M. Crowley, 78 Church Street, Listowel, Co. Kerry.
EI2C	Comdt. M. Higgins, 15 Wyckham Park, Dundrum, Co. Dublin.	EI3Q	A.T. Hobson, 31 Marino Green, Dublin.	EI4S	H. Dumbleton, 73 Cloiginn Park, Cherry Orchard, Dublin.
EI2F	G. Reynolds, 135 Tyreconnell Park, Inchicore, Dublin.	EI3R	Comdt. T.A. Hurley, 82 Manor Street, Waterford.	EI4T	R.E. McCrea, Station Street, Pettigo, Co. Donegal.
EI2G	J. Riley, "Whinbush", Hillcrest Road, Sandyford, Co. Dublin.	EI3S	J. Scully, 30 O'Daly Road, Drumcondra, Dublin	EI4W	P. Joyce, Glenina, Galway.
EI2I	W.J. Scully, St. Theresa, Avenue Road, Dundalk, Co. Louth.	EI3U	The Principal, Institute of Science & Technology, Kevin St., Dublin.	EI4Y	E.F. Matthews, "Lyndale", 9 Pine Copse Road, Dundrum, Dublin.
EI2K	T.M. Lawless, Halstead, Malahide, Co. Dublin.	EI3W	J. Lawlor, Glenflesk, Knather Road, Ballyshannon, Co. Donegal.	EI4Z	T. O'Donnell, 26 Ballymun Ave., Ballymun, Dublin.
EI2L	T. Murphy, Rathview, Rathangan, Co. Kildare.	EI3X	Rev. Bro. O. O'Gorman, De La Salle House, Macroom, Co. Cork.	EI5A	Rev. T. Brennan, O.Carm., 44 Seafield Road, Blackrock, Co. Dublin.
EI2N	T. Cottam, Elmuin, Grange Park, Waterford.	EI3Y	I. Clarke, Ballina House, Ballina, Co. Mayo.	EI5AB	B. Cantwell, 104 Sycamore Avenue, Rathbane, Limerick.
EI2P	R.D. Mooney, Hollywood, Carrickmines, Co. Dublin	EI3Z	P. Conway, St. Andrews, Moate Road, Athlone.	EI5AC	Wm. T. McGowan, Glenties, Co. Donegal.
EI2Q	M. Brosnan, Naval Depot, Haulbowline, Cobh, Co. Cork.	EI4A	D.K. McCrossan, c/o Curragh Camp Post Office, Co. Kildare	EI5BC	C.F. Morgan, 20 Stockwell Street, Drogheda, Co. Louth.
EI2R	T.K. McDonald, 28 Ballybricken, Waterford.	EI4AB	C. Connolly, Rialto, Marian Park, Waterford.	EI5AD	James P. Ryan, Main Street, Ballygar, Co. Galway.
EI2S	D. O'Hare, Airfield, Bishopstown, Cork.	EI4AC	Rev. F.G. O'Connor, Main St., Foynes, Co. Limerick.	EI5AE	Rev. E. W. Stanley, Seir Kieran Rectory, Clareen, Birr, Co. Offaly.
EI2T	W. Greenway, 13 Lavista Avenue, Strand Road, Sutton, Co. Dublin.	EI4AD	Cyril B.T. Kelly, "Milfordhaven", Nth. Circular Rd. Limerick.	EI5AG	J.V. Paul, Norbreck, Douglas Road, Cork.
EI2V	Capt. P. Harrington, Signal Corps, Baldonnell, Co. Dublin.	EI4AE	T.J. Martin, "Banba", Killybegs, Co. Donegal.	EI5D	T. Cronin, Strand Road, Baldoy, Co. Dublin
EI2W	H.L. Wilson, QSL via EI2B, Ex- perimental station at Sandyford.	EI4AF	H.R. Steele, 78 Booterstown Ave., Booterstown, Co. Dublin.	EI5F	H.A. Hodgens, 10 Herbert Street, Dublin.
EI2X	M. Beazley Ballerina Ballroom, Ballyunion, Co. Kerry	EI4AG	J. Maher, 65 Meadowbank, Lower Dodder Rd., Rathfarnham, Dublin.	EI5G	P.T. Daly, 11 Palmerston Road, Rathmines, Dublin.
EI2Z	J. Dunne, 111 Capel Street, Dublin.	EI4B	J.P. Campbell, Sutton, Dublin	EI5H	W.P. Kennedy, 7 Morley Terrace, Waterford.
EI3AC	K. O'Beirne, 23 Clare Street, Dublin.	EI4BC	A.D. Patterson, "Trudder", New- townmountkennedy, Co. Wicklow.	EI5I	R.C. Burke, Beechwood, Labur- num Park, Model Farm Rd. Cork.
EI3AE	R. Williams, c/o Miss Canning, 1 Park Rd, Longford.	EI4BD	F.F. Walshe, 14 Mount Merrion, Avenue, Blackrock, Co. Dublin.	EI5J	Dermot Taheny, 30-31 Market Street, Sligo.
EI3AF	J. O'Connell, 44 Collins Park, Donnycarney, Co. Dublin.	EI4C	H.W. Moss, "Kilterman", Bonniconlon, Ballina, Co. Mayo.	EI5L	J.P. Comben, "Oldbawn", Gordon Avenue, Foxrock, Co. Dublin.
EI3AG	W.A. Thompson, 76 St. Finian's Park, Moville, Co. Donegal.	EI4D	R.V.N. Sadlier, St. Ronans, Kitestown Road, Howth, Dublin.	EI5M	J. Corcoran, Dexter House, Dublin Road, Dundalk.
EI3B	S. Merry, Clonroad House, Ennis, Co. Clare.	EI4E	T.A. Gallivan, Avenue House, Countess Rd., Killarney, Co. Kerry	EI5P	P. Fitzsimons, "Loretto", 85 Collins Avenue, Whitehall, Dublin.
EI3BC	R.S. Haslam, "Hazeldene", 3 Wasdale Grove, Terenure, Dublin.	EI4G	G.H. O'Donnell, 61 Stiles Road, Clontarf, Dublin.	EI5Q	K.F. Corry, Barkhall, Letterkenny, Co. Donegal.
EI3BD	J.J. Drudy, 3 Alma Terrace, Finisklin, Co. Sligo.	EI4H	D.P. Fitzmaurice, 37 Grove Park, Ballymun Avenue, Dublin.		

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(Continued from page 14)

EI5R	P.F. Colbert, 66 Cork Road, Waterford.	EI7AE	D. Burke, 8 Pearse Street, Clonakilty, Co. Cork.	EI8P	Ballybrittas, Laois. J. Mills, Varrick Vale, Carrickbrennan Road, Monkstown, Co. Dublin.
EI5T	I.A. Bowie, "Lisieux", Great- meadow, Boyle, Co. Roscommon.	EI7AF	R. Williams, c/ Miss Canning, 1 Park Road, Longford.	EI8Q	P.N. Staunton, Woodlands, Glanmire, Co. Cork.
EI5W	A.J.P. Folan, Dun Muire, 48 Wainsfort Road, Terenure, Dublin.	EI7AG	S.C. McConnell, "Harvieston", Cunningham Road, Dalkey, Co. Dublin.	EI8R	P. Duggan, 16 Shrewsbury Road, Ballsbridge, Dublin.
EI6A	M. Drohan, c/o St. Margaret's, Kimberley Road, Greystones, Co. Wicklow.	EI7BC	P. Strong, "Millford", Ballina, Co. Mayo.	EI8S	J. Newman, 10 Lower Sherrard Street, N.C.R., Dublin
EI6AC	C.A. Strong, "Milford", Ballina, Co. Mayo.	EI7BD	J.J. Quilter, The Mall, Dingle, Co. Kerry.	EI8T	Lt.-Col. M. McCarthy, 27 Callery Road, Mount Merrion, Dublin.
EI6AD	Thos. H. Connolly, Pier Terrace, Ballycotton, Co Cork.	EI7C	Capt. Kelly, "Lyrne-na-Grena", Station Rd., Glenageary, Co. Dublin.	EI8U	The President, F.C.A. Radio Club, Collins Barracks, Dublin.
EI6AE	J.P. Horgan, "Dunleer", Woodleigh Park, Bishopstown, Cork.	EI7D	M. Ryan, Callimachus, Strand Road, Baldoyle, Co. Dublin.	EI8V	J.A. Quish, Upper Cork Street, Mitchelstown, Co. Cork.
EI6AG	A.F. Barrett, Annmount House, Glounthaune, Co. Cork.	EI7E	V. Steward, 16 St. Albans Road, Dolphin's Barn, Dublin.	EI8Z	J. Upton, 11 Cardiff Castle Road, Finglas West, Dublin.
EI6BC	F.J. Hughes, 230 Point Road, Dundalk, Co. Louth.	EI7G	M. McLoughlin, "Liosgeal", Father Griffin Road, Galway.	EI9A	E.F. Cornwall, Strand Street, Kanturk, Co. Cork.
EI6BD	R. Harkin, 67 Main Street, Letterkenny, Co. Donegal.	EI7J	Comdt. W. Rea, Artillery School. Kildare.	EI9AB	K.E. Dixon, "St. Ritas", Bellevue Park, Glenageary, Co. Dublin.
EI6C	J.J. Moriarty, 37 Sydney Avenue, Blackrock, Co. Dublin.	EI7L	A.J. Kettle, 90 N.C. Road, Dublin.	EI9AC	D. Meehan, Castle St., Donegal.
EI6D	L. Purcell, "Gleann-na-Greine", Naas, Co. Kildare.	EI7M	J.A. Browne, Castleconner, Ballina, Co. Mayo.	EI9AD	J.J. Dolan, "Naomh Mog", 26 Shelbourne Park, Limerick.
EI6F	Dr. T.D. O'Farrell, 38 Nutley Road, Donnybrook, Dublin.	EI7R	S. Rossiter, 34 Celtic Park Ave- nue, Whitehall, Dublin.	EI9AE	Norman Miller (QSL via Bureau)
EI6H	G.L. Latchford, 12 Farmhill Road, Roebuck Park, Dundrum, Co. Dublin.	EI7X	G.S. Whale, Beach Road, Clifden, Co. Galway.	EI9AF	P.J. Lamb, c/o Mrs. T Doogan, Lurgan Green, Dundalk, Co. Louth.
EI6K	T. Fay, Site 137 Marian Park Estate, Artane, Dublin.	EI7Y	K.F. Williams, 121 Braemor Road, Rathgar, Dublin.	EI9BC	A. Bradshaw, 454 Mountdown Park, Manor Estate, Whitehall Road, Terenure, Dublin.
EI6L	G.S. Stritch, Ariel, Ardnabel Road, Clonskeagh, Co. Dublin.	EI7V	J. Cahill, 10 Strawberry Hill, Sunday's Well, Cork.	EI9BD	M.J. Naughton, Crannagh, Ballina, Co. Mayo.
EI6M	E. Myles-Hook, 14 Cable Terrace, Valentia Island, Co. Kerry.	EI8A	A.F. McNamara, 11 Shanowen Drive, Whitehall, Dublin.	EI9C	J. O'Mahony, 89 Ballymun Road, Glasnevin, Dublin.
EI6N	W. O'Brien, 15 Oakley Park, Carysford Ave., Blackrock, Co. Dublin.	EI8AB	D.P. Murphy, Ross Cottage, South Douglas Road, Cork.	EI9E	R.F. Law, Shamrock Place, Blackrock Road, Cork.
EI6P	M.V. O'Brien, 2 St. Patrick's Tce., Waterford.	EI8AD	F. O'Byrne, 153 Celtic Park Ave- nue, Donnellycarney, Dublin.	EI9F	W. McIlwaine, Templeogue Park, Templeogue, Co. Dublin.
EI6Q	L.J. Robinson, 117 Mangerton Rd, Drimnagh, Dublin.	EI8AE	J.H. Walsh, 12 Bailey's New Street, Wexford.	EI9H	W. Power, 31 Ferndale Ave., Ballymun, Glasnevin, Dublin.
EI6S	Miss. S. Coffey, "Glengyle", Bal- doyle Road, Sutton, Co. Dublin.	EI8AF	G. Troy, 7 Old Market Street, Sligo.	EI9J	P.J. Smyth, Annalee House, Cavan.
EI6U	I. Morris, 9 Sharrath Road, Whitehall, Co. Dublin.	EI8BC	W. Ryan, 14 Church Avenue, Drumcondra, Dublin.	EI9K	N.E. Curtis, 54 Griffith Road, Finglas, Dublin.
EI6V	G.G. Livesy, Kilkilogue, Mullagh- more, Clifffoney, Co. Sligo.	EI8BD	J. Gallagher, "Glenrue", Pearse Road, Sligo.	EI9N	T.J. Green, 19 St. Aidan's Park Road, Dublin.
EI6W	Dr. M.E. Folan, Santa Clara, Threadneedle Road, Salthill, Co. Galway.	EI8C	F. Murphy, Strand Road House, Termonfeckin, Drogheda, Co. Louth.	EI9P	G.G. Halpin, Dookinella, Rathmul- lan, Drogheda., Co. Louth.
EI6X	B. Fogarty, 18 Plassey Avenue, Lanahrone, Limerick.	EI8D	H. McElligot, 10 Eglinton Park, Donnybrook, Dublin.	EI9Q	R.W. Madigan, 16 Manor Street, Waterford.
EI6Y	P. O'Doherty, 7 Jamestown Road, Inchicore, Dublin	EI8F	M. Dalton, 1 Gilford Road, Sandymount, Dublin.	EI9S	D. Murphy, 46 Marian Grove, Butterfield Avenue, Rathfarnham, Dublin.
EI7A	T.J. McCrossan, Newtowncun- ningham, Co. Donegal.	EI8G	Dr. F De Burgh-Whyte, Sangro, Foxrock, Co. Dublin.	EI9U	T. O'Connor, 280 Collins Avenue, Whitehall, Dublin.
EI7AB	B.F. Morrissey, 30 Hyde Avenue, Weston, Limerick.	EI8I	F.J. Brunnick, Meenmore, Dungloe, Co. Donegal.	EI9V	C. Hunter, Glanworth, Co. Cork.
EI7AD	J. McGeever, Mountlilly House, Lower Main Street, Buncrana, Co. Donegal.	EI8J	Rev. Canon N.F. Waring, 35 Wel- lington Road, Ballsbridge, Dublin.	EI9W	J. Swanton, Flax Fort, Little Island, Co. Cork.
		EI8K	C.S. O'Rourke, Skerries Road, Lusk, Co. Dublin.	EI9X	T.P. Farren, Melrose, Carrigaline Road, Douglas, Co. Cork.
		EI8L	A.K. Jackson, 41 Garville Ave., Rathgar, Dublin.	EI9Y	S.G. Farrelly, 5 Ellis Street, Sarsfield Quay, Dublin.
		EI8N	Hon. J. Forbes, Graigueaverne,		

Vintage Radio Museum in Howth Martello Tower

By Tony Breathnach EI5EM

"Aoibheann bheith ar Bheann Eadair, Fíor bhinn bheith ós a bhán-mhuir."

I remember those words from a poem, which was on my Leaving Certificate course in 1968. Roughly translated into English it reads; "Wonderful to be on Howth Head, Marvellous to look out over its white surf."

These evocative words came back to me with real meaning recently, when I found myself involved with Ye Olde Hurdy Gurdy Vintage Radio Museum, located in the Martello tower overlooking Howth Harbour.



In November 2003, I had the privilege of taking part in the EI4LDF (Lee De-Forest) special event station operating from the Martello Tower. This was in celebration of the centenary of Lee De-Forest's experimental wireless transmissions in 1903 from the tower. The tower had been recently refurbished inside. A CW QRP station was set up for the occasion. However, apart from the amateur radio station, the place was quite bare.

Peadar Slattery, EI2JA, gave short presentations at regular intervals on the history of the place. He has since published a book on DeForest's experiments.

Back in November, Joe, EI4FV, introduced me to Pat Herbert. As it turned out, Pat is a neighbour of mine, although we never met in the eighteen years that I have been living across the road from him. In fact, many years ago I purchased a Phillips 1950s valve radio from Pat at Blackrock market.

Pat told me that he is a keen collector of vintage radio equipment. When he saw

my Admiralty Morse key, he told me that he also collects keys. I offered to take them off his hands at a "reasonable price". However, he declined, telling me that he hoped, one day, to exhibit his collection in the tower. I wished him well but doubted if his hopes would ever become reality.

How badly mistaken I was, as I found out only recently.

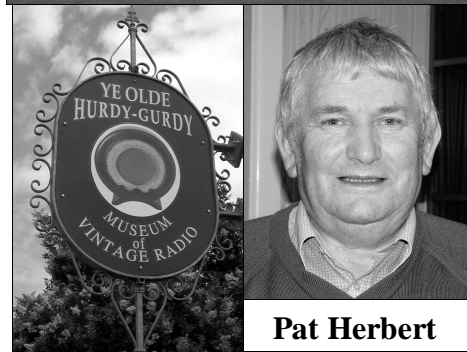
In early July of this year I was installing my new Icom IC706 Mk2G in the car. When I had finished, I decided to transmit a test CQ. Now, my hearing is not the sharpest and I normally have to have the audio level set quite high. The car door was ajar and my CW, while not attracting any DX, travelled by sound wave the "short skip" distance to Pat's house about a hundred metres away. Pat came over to see what was going on. He informed me that the museum had recently been opened and that Joe, EI4FV was hoping to operate another special event station from the tower during the Howth Peninsular Festival over the weekend of 17/18 July. I expressed my interest and contacted Joe the following day offering my services.

On arrival at the tower that festival weekend, I was amazed at the transformation of the interior since the previous November.

The tower now houses Ye Olde Hurdy Gurdy Vintage Radio Museum.



Fingal County Council had agreed to allow the setting up of the museum to house Pat's wonderful collection. He has spent many years collecting all sorts of radio-related memorabilia. How he stored his collection before the museum opened is a mystery. All credit is due to Pat for creating what is now a Magical



Pat Herbert

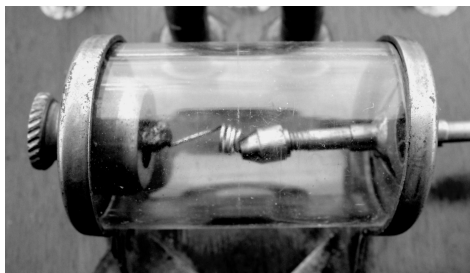
Tower. I think that this generous and worthy undertaking of Pat's deserves recognition and gratitude from the amateur radio fraternity in particular, as well as from the wider community. I am delighted that his collection has found such a suitable exhibition location.

Pat gives his time free, and his collection is obviously the results of a labour of love. He thoroughly enjoys what he is doing, and is thrilled to see his collection suitably housed. Pat keeps the museum open from eleven to five every day, and will do so at least until the end of the summer. He is a "character" in the true sense of the word. He is a mine of



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information and has great stories to tell of how he acquired the various exhibits, totally at his own expense no less!

The most convenient approach is from Abbey Street. Almost directly opposite the Abbey Tavern there is a small steep lane leading to the tower. There is a five Euro admission charge which is donated to charity.

Let me now guide you through this Aladdin's Cave of treasures.

The first thing that struck me was how dark it is inside. Remember that Martello towers were built to keep watch for an expected invasion by Napoleon's forces, and therefore the tower is a miniature fortress. The tiny windows admit only a bare minimum amount of daylight. Low level lighting adds to the atmosphere.

The main room of the tower houses the larger items. There are cases of Morse Code instruments, keys, sounders and other items. The pride of all is the collection of vintage broadcast radio receivers dating from the 1920s right through to the 1960s. Crystal sets are well represented as well as early regenerative receivers. Later valve receivers, in beautiful wooden and Bakelite cabinets, are plentiful. Some of these have

been restored to working condition, as Pat is always glad to demonstrate. There are several examples of valve "portable" receivers, leading on to the early transistor sets. There are also some nice examples of early televisions from the 1940s 50s and 60s.

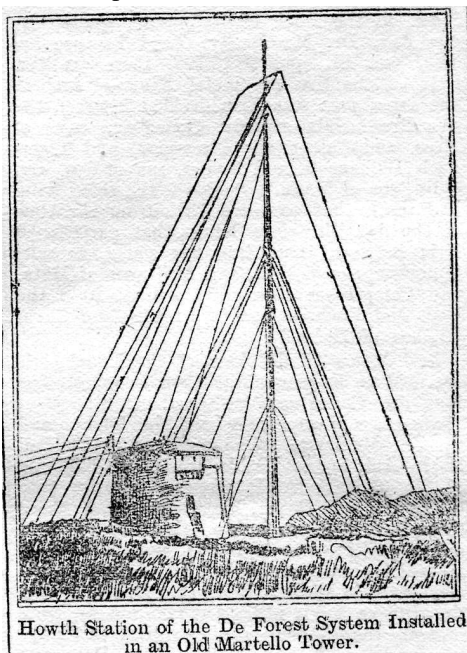
An original copy of the Irish Radio Journal dated 2 January 1926 heralds the opening of 2RN, later to become Radio Eireann and later still RTE.

2RN came on the air at 7.45 p.m. on New Year's Day with the time signal followed by the opening speech by Dr. Douglas Hyde (the President).

The No. 1 Army Band featured prominently that evening, as did performances by contemporary musicians and singers. The Soldier's Song concluded programming at 10.20.

According to the Journal, "women's voices are not suited to announcing." Marian Finucane and Maxi eat your hearts out!

The same article proclaims that among



Howth Station of the De Forest System Installed in an Old Martello Tower.

the (British) War Office's "most wanted inventions" is a lightweight secondary battery. Listeners are reminded of the importance of a "prompt and early settlement of the licensing fee." There were obviously spongers in those days too! There is a feature on the "Origin of the Morse Code". Pat also has a fine collection of RTV (later RTE) Guides from the early days of Irish television in the 1960s.

The internal walls are colourfully decorated with historical maps, photographs, posters and advertisements. Some of these are nostalgic, others informative, while others are simply humorous.

I spent last Saturday (23 July) taking photographs of some exhibits. I hope that Dave is able to print some of these to accompany this article. I am grateful



to Pat for his patience and cooperation while I was taking the photographs.

The main room of the tower also houses a fine collection of gramophones and shellac 78 rpm records. Pat is always pleased to demonstrate these beautifully crafted items. The sound reproduction from the wind-up gramophones was achieved purely by mechanical means. The volume could be adjusted if you "put a sock in it."

One particularly interesting gramophone is similar to one presented to and brought to the Antarctic in 1911 by Captain Scott. Scott brought back a picture of a Husky sled dog (replacing HMV's original Nipper) listening to His Master's Voice!

There are many ballad sheets, music programmes, pop posters (1950s and 1960s), 78s, 45s and 33s (rpm). There are Singles, EPs and LPs galore. Fittingly, Elvis, The King, looks down from above the entrance door, surveying his realm.



Another case houses a collection of early and more recent telephone equipment.

As I spent most of my working life in the private telephone business, I was most interested in this section.

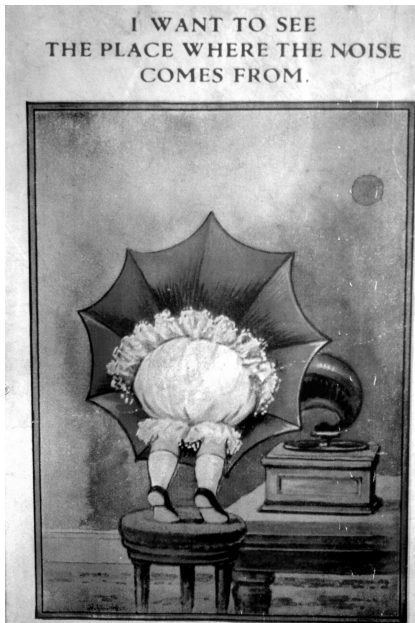
(Continued on page 18)

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Pat's friendly enthusiasm and knowledge enhances the enjoyment of a visit. Nobody need feel rushed. This museum is no mere sterile lifeless collection of historic exhibits. It has a living breathing atmosphere, truly capturing the wonder, romance and nostalgia of times past.

My one regret is that, being such an historic building, there is no way that the display area can be expanded or extended. But then, it would be a sacrilege to locate this museum anywhere else but here.

At the bottom of the stairwell are two very interesting glass exhibition cases.



These contain some non-radio items of similar vintage as the main exhibits, putting the era in context. There are some cigarette packets, including a four-pack of Wild Woodbines. Who can remember when you could buy a single Woodbine and a match? According to Pat, the four-pack was introduced when the government put a tax on the five, ten and twenty packs! So, no tax if you bought five four-packs!

Another case houses documents of particular Irish interest. A case containing some old "Irish Free State" QSL cards hangs from the wall.

A page from the Dublin Penny Journal newspaper is housed in another wall-mounted case. This contemporary newspaper reports on DeForest's wireless experiments from the tower in 1903. It contains an illustration of the mast and antennas used.

While the inside of the tower is quite small, this is a place to slow down, relax and to take time to appreciate and ex-

plore. Don't rush, allow yourself to drift back to the time when the exhibits were state of the art, and when the pace of life was much slower.

Unfortunately, the roof is not accessible to visitors. A narrow, steep spiral staircase affords access. The circular roof area is about four metres in diameter. A one and a half metre high parapet surrounds it. This slopes outwards for about two metres. There are several large iron rings embedded in the parapet wall. These originally secured the cannons. A more recent use which they were put to was supporting vertical antennas!

The panoramic views from the roof are spectacular. However, as the tower is on a plateau, the grassy, railed area surrounding it also affords spectacular views over the harbour, Ireland's Eye and Lambay Island beyond. This is an idyllic spot for a picnic.

While strictly not an amateur radio museum, any amateur will really enjoy and appreciate Ye Olde Hurdy Gurdy Vintage Museum.

I queried Pat on how "Hurdy Gurdy" became part of the name.

Apparently, Seán Lemass once visited the radio studios in the GPO, and asked, "How is the old hurdy gurdy going?."

My personal wish is to see a permanent amateur radio station installed in the museum, where operators could drop in and do a little operating.

Perhaps IRTS or some other body might consider financial sponsorship?

While operating the EI4LDF station in November, it struck me that I was probably the first CW operator to activate the tower in many many years.

The Marconi Company operated from the tower for a time after DeForest had left. I have no details of when it ceased transmitting. I just felt so honoured to be operating from such an historic radio location. I hope it will not be long before the tower once again comes alive to the rhythm of a key pounding out the Morse Code.

I highly recommend a visit to the museum. I will go so far as to say it is almost obligatory. Pat Herbert will be delighted to see you and have a chat.

Bring along a QSL card, sign the Visitors' Book, and don't forget to tell Pat that Tony sent you.

ei5em@eircom.net
www.qsl.net/ei5em

AO-51 (AMSAT-Echo)

AO-51 (AMSAT-Echo) was due to be turned on for general use in FM repeat mode on 30 July 2004 at about 0215 UTC. This will be for a trial period of about three weeks during which the command stations will be watching the power budget and adjusting the UHF transmitter B power as needed for good management of the battery. Initially, the transmitter will be running at about 1W. If power allows, it will be slowly increased during the trial period. We will also be adjusting settings on the satellite, so if the signal changes slightly from time to time, do not be alarmed. The TXB transmitter will be on 435.300 MHz, which is also a trial frequency. The original frequency of 435.225 MHz is now in regular use by GO-32, so the alternate is being tested to see if it can be used long term.

To work Echo in this mode you need the following information:

Uplink: 145.920 MHz FM voice with 67 Hz PL.

Downlink: 435.300 MHz FM voice.

The downlink transmitter will come on when it hears an uplink signal with a 67 Hz PL tone for about 1 second. It stays on for 10 seconds after that signal goes away.

This operation is just like a terrestrial FM repeater with a 1 second kerchunk filter and a 10 second hang time.

Note that Echo is still wobbling a great deal and the polarization sense of the downlink will vary. The B UHF TX is nominally RHCP in the northern hemisphere but this will change over the duration of a pass due to wobble and orientation relative to the ground station.

Transmitter A will generally continue to operate on 435.150 but may be at reduced power at times, or may be at about 1W only when the command stations are gathering Whole Orbit Data (WOD) telemetry. We will be analyzing the WOD for information about how much TX B is on and how the power system is behaving.

Please note that the digital transponder and the store and forward BBS, are NOT yet open for general use. TX A may also switch to 38k4 from time to time to facilitate downloading large files.



IRT President Sean Donelan EI4GK presents the Michael Collins Trophy to John Breen EI7BV, Dept. of Communications, Marine and Natural Resources in recognition of his contribution to Amateur Radio in Ireland.



IRT President Sean Donelan EI4GK presents the 4 Metre Shield to Dave Court EI3IO. The shield has been competed for on an annual basis over the past three years and Dave has been the only winner to date. Dave is also very active on 6 metres and is also active on 160m.

IRLP

IRLP node number 5883 is on the EI7MLR repeater has been receiving a lot of use since its activation with stations connecting from the UK, USA, Australia and New Zealand to name a few.

Please note that as this is operational on a trial basis it will not be available to make connections at all times. However, the node is configured to accept incoming connections at all times.

When using the node, please identify your station by speaking your callsign before sending DTMF tones. Visit the IRLP website at www.irlp.net for more information about the system.

Contributions to the Southern Ireland Repeater Network can be made to either John EI8JA or Neil EI3JE.

Mayo Radio Experimenters Network

Results in the June competition for Mayo REN Members were as follows:

In first place was John Browne EI7FAB, John Corless EI7IQ was second and Brendan Minish EI6IZ took third place. Also, John McAndrew EI3JM was 4th, in 5th place was Mike Hayes EI2EO, in 6th place was Jimmy Kelly EI2GCB and Terry Ebdon EI9IW was 7th.

The July meeting debated the continued threat from Power Line Transmissions (PLT) in Tuam, and the sub-committee

Theory Examinations

A reminder that anyone who would like to sit a radio theory examination should contact Derek O'Reilly in ComReg. Contact details are: Mr Derek C.O'Reilly, Volume Licensing & Co Ordination Division, Commission for Communications Regulation, Abbey Court Irish Life Centre, Lower Abbey Street, Dublin 1.

Or phone 01 804 9769, Fax 01 804 9671 or Email derek.o'reilly@comreg.ie

Island Activity by WestNet

The WestNet DX Group were active from Inis Mor in the Aran Islands from Friday June the 18th until Tuesday June the 22nd. The callsign used was EJ7NET and activity was on HF and 6 metres.

QSL is via Declan Craig EI6FR.

EI-ST First on 6 metres

Thos Caffrey EI2JD is claiming another first, having worked ST2DX on 6 metres CW on June the 18th last. Conditions on 6 metres have been variable and seems well down on last years conditions.

North American Sporadic E Opening on 88MHz

During a Sporadic E opening on the 19th of June last a path opened to North America which saw the MUF rise to at least the frequencies of the FM broadcast band. An American station was received on on the FM broadcast band by Paul, MI3LDO.

Also during the event, trans-Atlantic television carriers were received between 55 and 84 MHz.

Paul has uploaded an MP3 recording of the audio of the unidentified broadcast station to the Internet and you can hear it at <http://www.geocities.com/yogi540/unid>.



Jamboree On The Air October 16/17th

Seán Ó'Súilleabháin EI3IP
National JOTA Organiser
Scouting Ireland
<http://www.scouts.ie/jota>

Shannon Basin Radio Club Challenge

November 7th

0800 - 2000

The Shannon Basin Radio club is again running its annual one day Open, Fixed, Challenge for EI residents.

This challenge is open to all licensed operators and short wave listeners and will be held on the 7th of November 2004 from 0800 to 2000.

The purpose of the challenge is to encourage radio operators and short wave listeners to be active on the H.F bands.

The challenge will have three modes of operation, and the winner in each mode will be awarded with the following.

- The **Lough Allen Shield** will be awarded to the highest score in SSB.
- The **Lough Ree Shield** will be awarded to the highest score in CW (A1A).
- The **Lough Derg Shield** will be awarded to the highest score for SWL.
- The above winners will also receive a personal trophy.

To receive a copy of the rules for the above challenge, please send a stamped address envelope to the contest manager:

Noel Mulvihill EI6HW,
Hillquarter,
Coosan,
Athlone,
Co Westmeath
or e-mail nfmulvihill@eircom.net.

N.B. Persons intending to compete must send notification prior to the contest date.

Noel EI6HW,
Contest Manager

EU Sprint SSB Spring 2004 - EI Scores

Position	Call	QSOs
24	EI4BZ	155
42	EI6JK	102
62	EI7GY	62
92	EI7JN	18

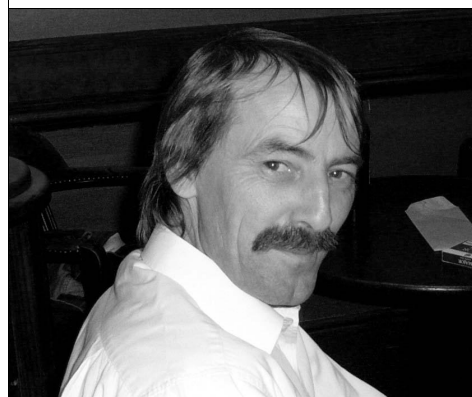
The EU Sprint is a four hour contest held twice a year in Spring and Autumn and the next events will be the SSB one on October 2nd with the CW a week later on the 9th. Full information on: www.qsl.net/eusprint



South Dublin Radio Club

The Class of '04

Paul Eustace EI2GSB,, Robert Fitzsimons EI2GQB and Michael Friary EI2GKB.



Nicky Madigan EI3JB

Waterford

Nicky does all the tower work for the Southern Ireland Repeater Network.

Keith Martin EI4JM in Africa

Keith EI4JM (ex-EI4FBB) has now started a new posting with Concern in Rwanda, Burundi and DR Congo.

Following his unsuccessful attempts to get a licence while posted in YA last year, submissions are now underway for his new residences.

9X and 9U are not currently issuing licences, although the situation is being monitored closely by various amateurs in the region, but Keith currently has applications in for 5Z4 and 9Q licences.

He is likely to become active in the next month approximately as 9Q1JM and/or 9Q6JM from DR Congo, based in Kinshasa and Goma, depending on security, logistics and time constraints.

More details will follow as soon as the situation becomes clearer.

Activity from 5Z4 will normally be on transit trips through Nairobi, so will be more limited and at shorter notice.



Islands On The Air Awards

Created in 1964 by Geoff Watts, a leading English short wave listener, and taken on by the RSGB in 1985, IOTA is an amateur radio activity programme designed to encourage contacts with island stations world- wide. The oceans' islands have been grouped into some 1200 "IOTA groups with, for reasons of geography, varying numbers of "counters", ie qualifying islands, in each. The objective, for the island chaser, is to make radio contact with at least one counter in as many of these groups as possible and, for the DXpeditioner, to provide such island contacts. For both it is a fun pastime adding much enjoyment to on the air activity. Among its estimated 15-20,000 followers IOTA has become for a very large number a favourite, highly regarded and absorbing activity programme.

18 separate certificates, graded in difficulty, are currently available for island chasers, as well as two prestigious awards for high achievement. They may be claimed by any licensed radio amateur eligible under the General Rules, who can produce evidence of having made two-way communication, since 15 November 1945, with the required number of amateur radio stations located in the IOTA groups specified for the award.

Many of the islands/IOTA groups are DXCC countries in their own right; others are not, but by meeting particular eligibility criteria also count for credit. Part of the fun of IOTA is that it is an evolving programme with new IOTA groups amongst the 1200 listed being activated for the first time.

The basic award is for working stations located in 100 IOTA groups. There are higher achievement awards for working 200, 300 and so on groups, in multiples of 100, up to 700.

In addition there are seven continental awards (including Antarctica) and three regional awards - Arctic Islands, British Isles and West Indies - for contacting a specified number of IOTA groups listed in each area.

The IOTA World-wide diploma is available for working 50% of the numbered groups in each of the seven continents. A Plaque of Excellence is available for confirmed contacts with at least 750 IOTA groups with Shields for every 25 additional ones.

The latest addition to the range is a 1000 Islands Trophy, also with additional Shields.

The rules require that, in order for credit to be given, QSL cards need to be submitted to nominated IOTA checkpoints for checking. The name of the island needs to be printed on each card.

A feature of the IOTA Programme is the annual Honour Roll and other performance tables that are published annually, usually in June. This encourages continual updating of scores.

If 'Island Chasing' appeals to you (and it can become compulsive!), you will need the latest IOTA Directory which is packed with information including the essential list of qualifying islands.

Without the Directory it will not be easy to proceed. The Directory is available from RSGB Booksales.

www.rsgb.org/shop

Islands On The Air Annual Listings 2004 EI Stations

Honour Roll		
Position	Call	Islands
138	EI7CC	866
363	EI2HY	668

Annual Listings		
1149	EI8HA	202
1229	EI2CH	169
1288	EI4BZ	139

SWL		
015	EI1260	543

Islands On The Air website
<http://www.rsgbiota.org>

EI/EJ Iota Reference Numbers

There are 5 IOTA references that cover all the Islands of EI/EJ.

They are EU-115, EU-121, EU-006, EU-007 and EU-103.

EU-115

The main Island of Ireland.

Any Islands that do not qualify for any of the other groups are covered by EU-115. The main ones are :

County Clare = Scatterry Is.
County Cork = Whiddy Is., Ballycotton Is., Dursey Is., Sherkin Is., Ringarogy Is.
County Donegal = Cruit Is., Inch Is.
County Galway = Turbot Is., Omey Is., Lettermore Is., Gorumna Is., Mweenish Is., Lettermullen Is.

County Kerry = Valentia Is., Puffin Is.
County Mayo = Achill Is., Achillbeg Is.
County Sligo = Coney Is.
County ??? = Spanish Is.

EU-121

The following Islands qualify for EU-121 :

County Clare = Mutton Is.,
County Cork = Bear Is., Clear Is., Fastnet Rock, Long Is.
County Donegal = Aran Is (Arranmore), Tory, Owey Is, Gola, Inishbofin, Inishdoeey, Inishbeg, Inishtrahull,
County Dublin = Lambay, Irelands Eye, Dalkey Is.

County Galway = Inishbofin, St. Macdara's Is., Croaghnaakeela Is., Slyne Head, Cruagh Is., Inishshark,
County Kerry = The Skelligs, Deenish Is., Scariff Is., Magharee Islands,
County Mayo = Clare Is., Inishturk, Caher, Duvillaun More, Inishkea North and South, Inishglora, Kid,
County Sligo = Inishmurray,

(The Stags are also listed. I found 3 "Stags" on the map that I have. They are "The Stags" in Cork, "The Stag Rocks" in Donegal and "The Stags of Broadhaven" in Mayo. At present, I'm not sure which is the one that qualifies....EI7GL)

EU-006

Aran Islands. The qualifying Islands are:

Brannock Islands, Inisheer, Inishmaan, and Inishmore.

EU-007

Blasket Islands. The qualifying Islands are:

Great Blasket, Inishtooskert, Inishvickilane and Tearaght.

EU-103

Saltee Islands. The qualifying Islands are the 2 Saltee Islands.



Emergency Communications

With
John Ketch EI2GN

AREN, Frequently Asked Questions

What is AREN?

AREN stands for Amateur Radio Emergency Network. It consists of a group of licensed radio amateurs and experimenters who voluntarily make their equipment and time available to the community, nationally and in their local area, to assist professional and community groups by passing third party radio traffic on their behalf in emergency situations.

What are the primary functions of AREN?

The primary reason for the existence of the group is to assist professional organisations at times of emergency. Other functions, which provide training opportunities for members, are to assist at community events such as hill walks and road races

What is the relationship between AREN and the IRTS?

The EmerComms group exist under the umbrella of the Irish Radio Transmitters Society however it is not necessary to be an IRTS member in order to become a member of AREN.

Are there special licence arrangements in place for AREN activities?

Individuals, who function as an organised group under the terms of their ordinary experimenters licence, undertake all activities and no special arrangements exist.

Are there difficulties in liaising and working with the professional groups?

To date the EmerComms group is aware of only one instance of a direct link between AREN and a professional emergency organisation.

The group has not forged links to date with professionals in other areas due to two stumbling blocks; one, the difficulty in obtaining adequate insurance cover and two, a perceived resistance to change by some members of those organisations.

These are difficulties that evaporate during times of emergency and therefore do not prevent the group from engaging in training in order to be ready to assist at these times.

In what way can AREN help the professional services?

There are any number of ways in which a voluntary radio communications group can be of assistance among which are; relieving professionals who have been on duty for long periods, provision of long to medium range communications which some professionals don't have access to and the provision of inter-agency communications which in some cases do not exist.

Do the words Amateur or Experimenter appear on group branding?

While both are words of which we as members of a hobby group are justifiably proud, it is alarming for people who are victims in emergency situations to see people described in these terms. Therefore these words are not used.

Does AREN receive Government Support?

The group consists of licensed individuals who make their time and equipment available on a voluntary basis. The possibility of raising funds for the purchase of commonly held equipment is being examined and this funding is unlikely to come from Government.

Do members get paid?

The experimenter's licence precludes engaging in commercial activity and any individual or group who receive financial reward based on their activities as radio experimenters may lose their licences.

What equipment is available to AREN?

Members use their own equipment, which must be unmodified and maintained in good and fully functioning condition.

The group is currently assembling equipment that will be held communally including high visibility clothing and a portable repeater.

Does AREN have a role outside of Emergency Communications?

Community based activities such as the Women's Mini Marathon, The Galtee Walk and the Lug Walk provide active training opportunities for groups who exist to either solely become involved in

these events or who also make themselves available for emergency communications.

The group also has a developing role in promoting the hobby, and proposed involvement with activities such as light-house open day will help to;

- bring members into contact with professionals who have role in accident prevention,
- allow them to operate from difficult locations,
- make them visible to a section of the public who visit lighthouses and who may as a consequence also be interested in becoming involved in amateur radio.

Are there any other groups in Ireland other than AREN who provide this service?

Raynet Ireland is a club member of IRTS and shares some members with AREN in and close to border areas.

I want to become a member of AREN how much time will I need to dedicate to activities?

As a primary commitment you will need to take the time to ensure that you have a fully functioning station that is capable of operating on either or all of the VHF, UHF and HF allocations. You will need to take time in the first instance to read the members manual. The second level of commitment will involve taking part in training courses and activities that are designed to develop your skills in order to become a useful member of an emergency communications organisation. In other words it takes very little time to become involved and thereafter you spend as much or as little time on EmerComms activities as you want to make available.

How do I join the AREN group?

By contacting any member of the IRTS committee or by contacting John Ketch, EI2GN on 021-4323-283.

Are AREN activities covered by Insurance?

Currently all operations undertaken by the AREN group are required to be covered by insurances made available by the groups that are being assisted.

(Continued on page 23)

(Continued from page 22)

Does AREN play a role in international Voluntary Emergency Communications?

AREN forms part of IARU region one Voluntary Emergency Communication activities. The group will strive at all times to develop and maintain friendly working relationships with similar groups in other jurisdictions in order to a) promote international friendship and understanding, one of the stated aims of the hobby and b) to provide a seamless service to the public in times of emergency where cooperation between international voluntary EmerComms groups and professional organisations can help to preserve the lives and welfare of peoples.

Is there a training programme in place for members?

The member's manual provides some information that is used by members in order to self-train. A comprehensive interactive training programme is being developed and this will lead to accredited levels of progress through the organisation.

What area is covered by the current membership?

The current membership of the group is available to respond throughout the country and it's membership is distributed throughout Limerick, Galway, Leitrim, Waterford, Mayo, Donegal, Kerry, Tipperary and Cork. Other groups exist locally in the country that can bring valuable experience and membership strength to the national AREN. An ongoing invitation is open to those organisations to join the national group in order that all those who are interested may be in the best possible position to provide an integrated service to the community.

Can I set up a local group in order to provide radio communication for my local community festival?

Yes, and you are most welcome to avail of the services of the Coordinating panel to travel to meet with your group in order to advise and help you in your endeavours to do so. Enquires should be directed in the first instance to John Ketch EI2GN at 021-4323283.

With regard to your particular festival, you can operate only within the terms of your licence and the group must satisfy itself that it is being run purely on a voluntary basis, that it cannot afford to pay for the service and that a net benefit will accrue to the community by virtue of the fact that the EmerComms group is involved.

Spring 2004, 2 Metres Counties Contest Results

	QSOs	Counties	Points	QTH
High Power Fixed				
1. EI7IW (EI2JD Op)	42	14	2646	LH
High Power Portable				
1. EI9FVB Declan Horan	22	9	747	K
FM Only				
1. EI2JO Kyle O'Connell	43	19	3382	WW
2. EI2SBC (EI9HX Op)	33	20	2880	RN
3. EI3IX Joe Fadden	17	13	1092	MO
4. EI4HX Peter Grant	24	11	1023	LH
5 EI6DL Tony Magliocco	16	10	630	WH
Low Power Fixed				
1. EI7HT Tom McGrath	31	10	1010	DD
Low Power Portable				
1. Paul Hurley EI2JF	36	16	2864	CW
2 Tipperary Radio EI7T	44	14	2805	KK
3. Ray Harbison GI3PDN	34	14	1918	AM

Thanks to Mike EI4JL and Hugh EI6CPB check logs.



Kerry Experimenters

Pictured at a meeting in Tralee were:

Seated: Joe Clarke EI9HO, Brian O'Daly EI4GL, Chris Mann EI9CZB.
Standing: John Costello EI9ESB and Billy O'Connor EI7CQB.



Contest Corner

With
Dave EI4BZ
ei4bz@eircom.net

CQWW SSB Results

The Winter contest season is almost upon us and it won't be long until the CQWW SSB contest.

Eleven stations from EI appear in last years' results, that's a drop of two from last years record entry.

Two new EI records were set. John EI8IR set a new mark in the Single Operator All Band High Power Section displacing Tim EI8IC whose record had stood since 1999.

Jeremy EI5GM broke his own record in the 40m High Power Section.

Anyone who does a single band SSB entry on 40 metres deserves a special award! That's real punishment!

Congratulations to Clifford EI5FQB who is the first B call to appear in the results.

2m Counties Contest

The results of the Spring 2m Counties Contest appear on page 23 and participation is down on previous years. Congrats to all the winners and all who supported the event.

Only four portable stations appear in the results.

Portable stations are the lifeblood of this contest and unless the high sites are activated, activity will always be poor. Only one club entered as multi-operator.

If one looks at this in conjunction with the three field days, a sad picture emerges.

CW Field day this year had participation from two clubs and a single operator, VHF/UHF Field had three entries and at the time of writing, SSB Field Day looks like being poorly supported. The IOTA Contest had only three island expeditions, again with only two clubs involved.

International Lighthouse weekend had four EI entries listed but only one of them was a club.

Without outdoor activity or construction projects, clubs are merely debating societies. How many potential licensees drift away after one or two visits to club gatherings? I know of quite a few.

Enough of the negative stuff. Have a look at the records across the page and pick one section for this years contest on the last weekend of October.

CQWW SSB Contest 2003

EI Results

		Points	QSOs	Zones	DXCC
All Bands HP	EI8IR	3,325,350	3,508	112	413
All Bands HP	EI4BZ	740,064	1,134	90	326
All Bands HP	EI4DW	155,520	303	65	205
14 MHz HP	EI8GS	379,379	1,730	32	111
7 MHz HP	EI5GM	146,475	1,041	20	85
7 MHz HP	EI6JK	9,079	159	9	51
All Bands LP	EI6HB	134,260	418	52	144
All Bands LP	EI5FQB	9,079	113	20	55
All Bands LP	EI9ES	6,666	90	17	49
21 MHz LP	EI2VNO	64,974	576	20	71
Multi-Single	EI9E	1,113,658	1350	87	319

CQWW SSB EI Records (Up to and Including 2003)

	Callsign	Score	QSOs	Zones	DXCC	Year
All	EI8IR	3,325,350	3,508	112	413	2003
10	EI3JE	692,958	2,155	34	113	2002
15	EI8GS	506,850	1,808	33	122	2002
20	EI2CN	605,914	2,080	35	107	1984
40	EI5GM	146,475	1,041	20	85	2003
80	EI8IR	159,965	1,203	21	86	2002
160	No Entry					

Low Power

LAll	EI7GL	700,006	1,164	77	312	2000
L10	EI4DW	279,070	1,173	23	95	2000
L15	EI6FR	392,657	1,451	33	124	2000
L20	EI8IC	230,184	1,191	31	108	2001
L40	EI2CA	16,756	188	13	58	2002
L80	No Entry					
L160	EI7IU	5,989	147	6	35	1998

Assisted (Packet)

A All	EI8IR	2,977,871	3,005	123	410	2000
A 10	EI4DW	472,512	1,516	29	109	2001
A 15	EI6FR	203,312	769	27	104	1997
A 20	EI2GX	204,276	1,017	27	89	1997
A40	No Entry					
A80	No Entry					
A 160	No Entry					

Multi-Single

MS	EI7M	9,563,686	6586	153	605	2001
----	------	-----------	------	-----	-----	------

Multi-Multi

MM	No Entry					
----	----------	--	--	--	--	--

Mayo Radio Experimenters Network



RALLY 2004

Sunday November 21

All the usual traders inc:

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Plus Much More

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EI5CRC

Cork Radio Club

EI1C

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Blarney Park Hotel

(Conference Centre)

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Admission €5.00
Doors open 1100

Contact: Con EI7DJB on 086-1071312 or 021-4270136
Jeremy EI5GM on 086-2684993 or 021-4774955

www.blarneyrally.com
E-mail: conmac@engineer.com

Your Letters

Contest Station Required

Hello OM,

I am interested in contesting from EI, either as a single op, or I could join an existing MM, MS, or M2. I will be in London before and after both CQWW SSB and CQWW CW, but CW is my preferred mode. I could operate either or possibly both contests.

Do you know of any QTH I could use or rent, something with antennas for 10-160?

I can bring a rig and amp and laptop

Thanks in advance for any help,

73

Darrell AB2E

ab2e@hotmail.com



VHF/UHF Field Day EI7M/P

The 2m, 70cm and 1296MHz aerials on two mobile towers on White Mountain on the first weekend in July.

Members Advertisements

For Sale: HF All Band DX Penetrator Vertical Antenna ... €160.00.

2m vertical antenna, never used, €60.00

HOKA CODE3 Gold Professional Decoder €500.00. No offers.

Contact Joe EI4GX on 01-8364434

QTHR.

For Sale: Kenwood TS-680S HF Transceiver. Tx 160m - 10m PLUS 6m. General coverage rx. Very clean rig, with manual price €50.00

Q-Tek Penetrator Vertical multi-band antenna. 160-6m. No ground plane or ATU required. Complete with all connectors and 50 OHM co-ax cable. Price ... €180.00 collect.

Contact Mike on 051-370918 or

cosmos7@eircom.net

Required: Servicing for Electronic Memory Keyer ETM-9C.

Circuit diagram available.

Contact Liam EI2FB 021-4831775

For Sale: IC-775 DSP 200W in as new condition. Full TX from 1.8 to 30 MHz,

Also IC-2KL 500W solid state Linear Amp, auto band switching when used with Icom transceiver.

Contact Pat at 087-6767707.

For Sale: Icom 737A HF Transceiver with built-in ATU. Matching Icom Power Supply. One owner from new. €800.00 o.n.o. Phone 0404-68156, evenings.

For Sale: Four Metre Vertical 1/2 Wave End Fed Antenna.

Moonraker four-metre vertical, as advertised in PW, RAdCom, etc.

I was ordering one for myself and thought I would get two since the carriage would be the same. Cost Price. EI7IQ Tel: 087 9843900 or email ei7iq@ireland dot com.

Members advertisements are free

Contest Calendar

September 2004

4th	0001-2359	Russian "Radio" RTTY WW Contest	RTTY
4/5th	0001-2359	All Asian DX Contest	SSB
4/5th	1300-1300	IARU Region 1 Field Day	SSB
5/11th	0001-2359	FISTS Straight Key Week	CW
11/12th	0001-2359	Worked All Europe DX Contest	SSB
18/19th	1200-1200	Scandinavian Activity Contest	CW
25/26th	0001-2359	CQWW RTTY DX Contest	RTTY
25/26th	1200-1200	Scandinavian Activity Contest	SSB

October 2004

2nd	0001-2359	The PSK Rumble	PSK
2nd	1500-1859	EU Autumn Sprint	SSB
2/3rd	0800-0800	Oceania DX Contest	Phone
3rd	0700-1900	RSGB 21/28MHz Contest	SSB
9th	1500-1859	EU Autumn Sprint	CW
9/10th	0800-0800	Oceania DX Contest	CW
10th	0001-2359	10-10 International Day Sprint	All
16/17th	1500-1500	Worked All Germany Contest	CW/SSB
17th	0700-1900	RSGB 21/28MHz Contest	CW
30/31st	0001-2359	CQWW DX Contest	SSB

November 2004

6/7th	1200-1200	Ukrainian DX Contest	CW/SSB/RTTY
13/14th	0001-2359	Worked All Europe DX Contest	RTTY
13/14th	0700-1300	Japan International DX Contest	SSB



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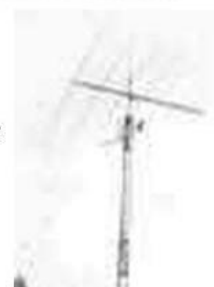
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